

KeepPlay

国玩系列

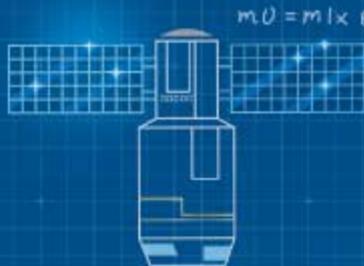


中国航天
航天·燃

K10212
中国载人
航天工程



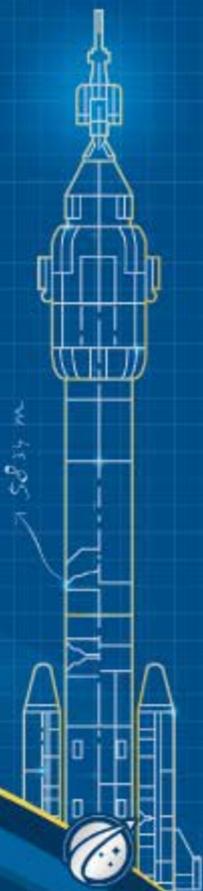
107318 km/h
0.9 x 10¹⁰ km²/h²



$$m_0 = m_1 \times e^{(-\Delta v / v_e)}$$



$$1 - (m_1 / m_0) = 1 - e^{(-\Delta v / v_e)}$$



内含2款积木模型

长征二号F运载火箭 + 神舟飞船

图片仅供参考，请以实物为准。



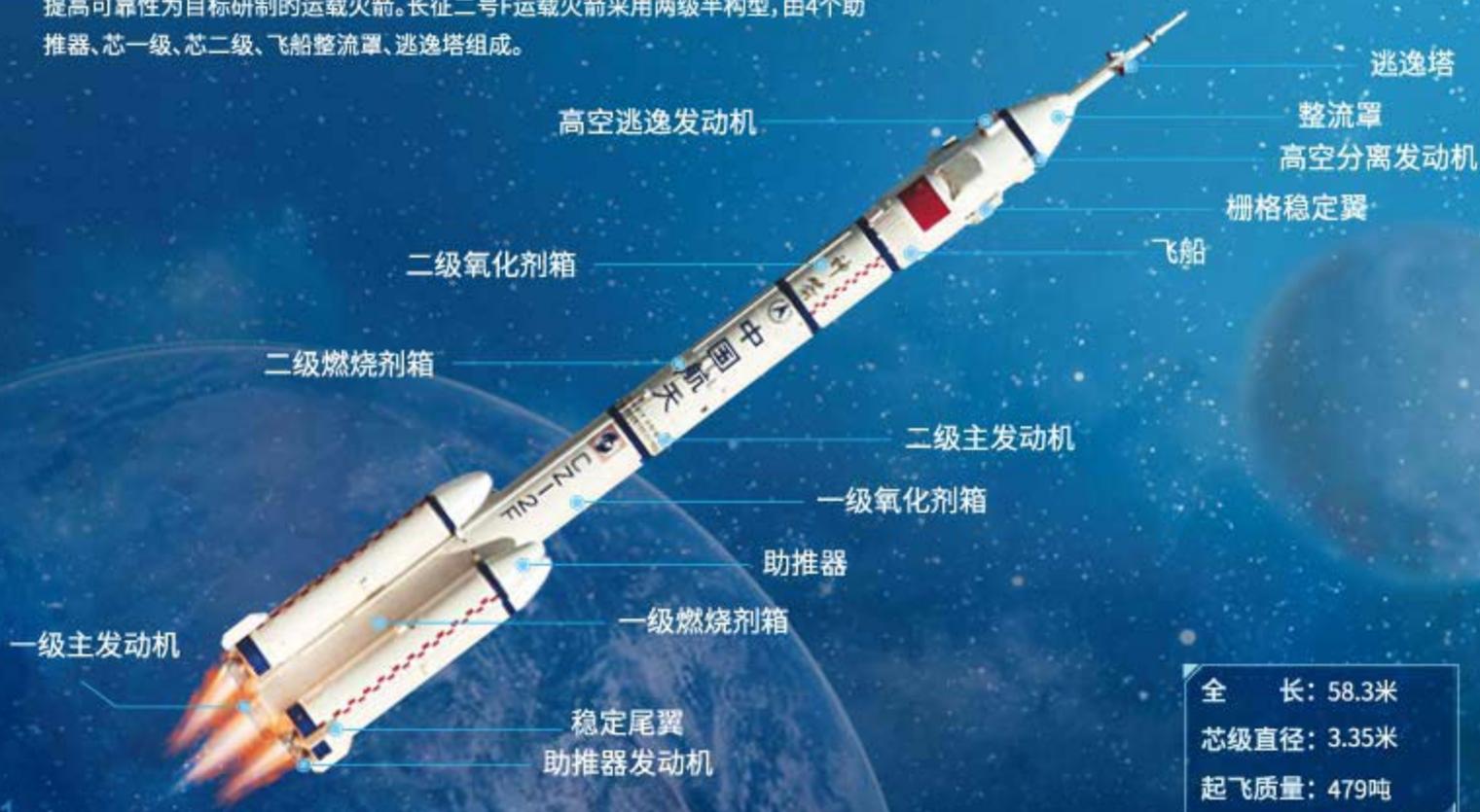
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航天知识科普

长征二号F运载火箭和神舟飞船

长征二号F运载火箭

长征二号F运载火箭是在长征二号E运载火箭基础上,按照发射载人飞船的要求,以提高可靠性为目标研制的运载火箭。长征二号F运载火箭采用两级半构型,由4个助推器、芯一级、芯二级、飞船整流罩、逃逸塔组成。



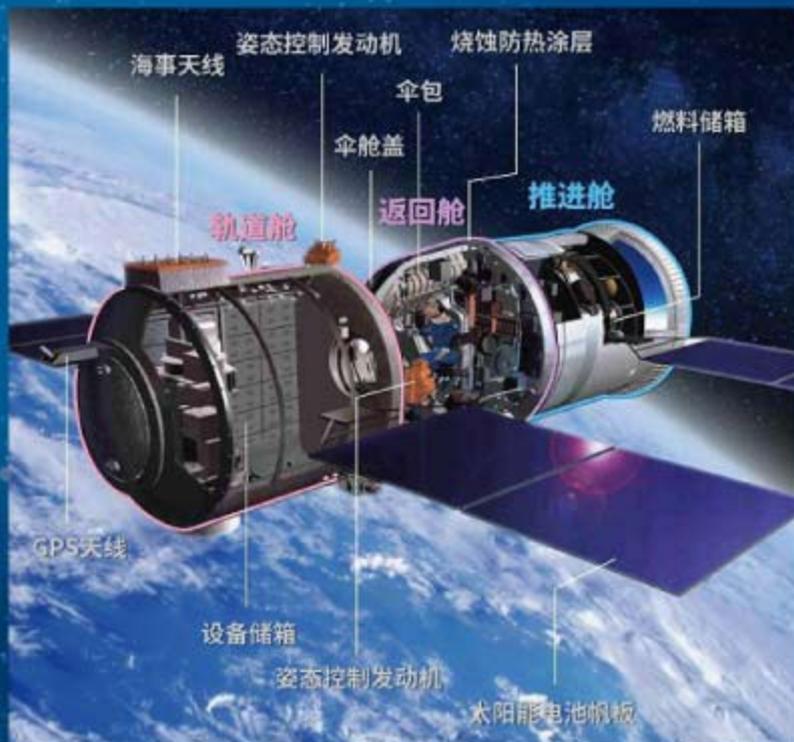
全 长: 58.3米
芯级直径: 3.35米
起飞质量: 479吨

神舟系列载人飞船

神舟系列载人飞船由专门为其研制的长征二号F运载火箭发射升空,采用三舱一段,即由返回舱、轨道舱、推进舱和附加段构成,由13个分系统组成。

神舟飞船结构示意图

原型参考:《兵器知识》杂志



轨道舱

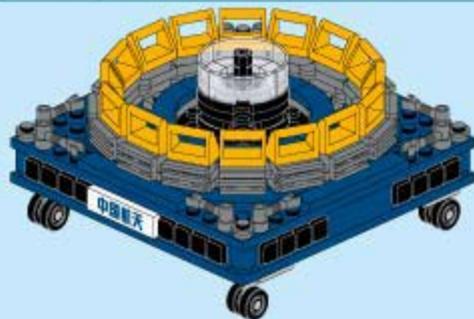
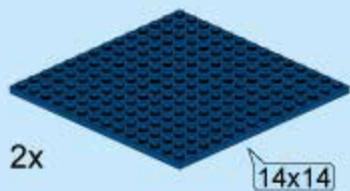
轨道舱是一个圆柱体,总长度为2.8米,最大直径2.27米,称为“多功能厅”,集工作、吃饭、睡觉和清洁等诸多功能于一体。

返回舱

返回舱又称座舱,长2.00米,直径2.40米(不包括防热层)。它是航天员的“驾驶室”。是航天员往返太空时乘坐的舱段,为密闭结构,前端有舱门。

推进舱

推进舱又叫仪器舱或设备舱。推进舱长3.05米,直径2.50米,底部直径2.80米。安装推进系统、电源、轨道制动,并为航天员提供氧气和水。



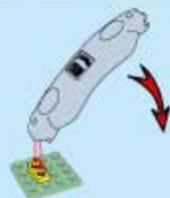
拆件器使用方法，仅为示例

Usage of Brick Separator, Just for the sample

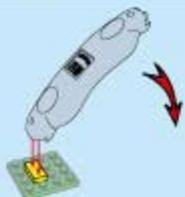
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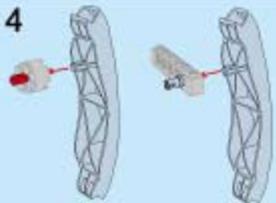
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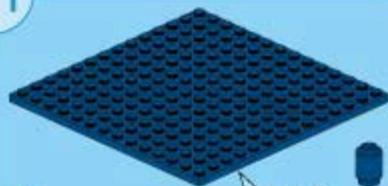
2



4



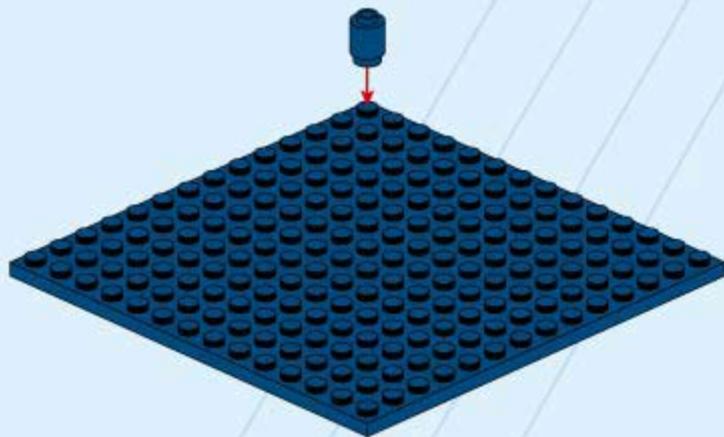
A1



1x

14x14

1x



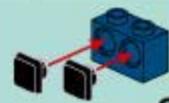
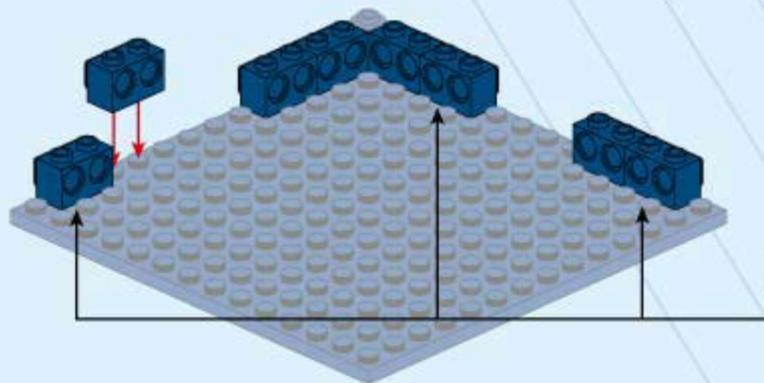
A2



8x



16x



8x

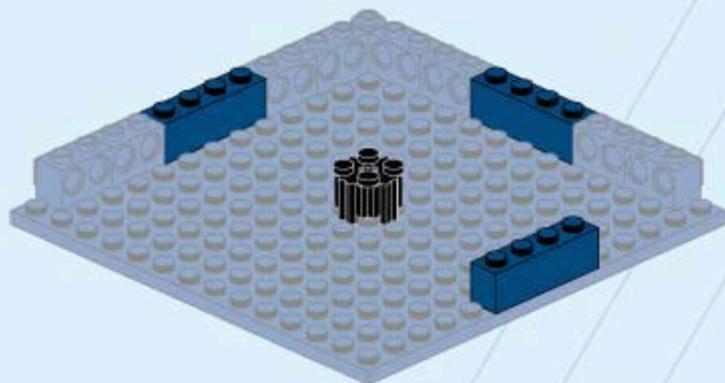
A3



3x



1x



A4



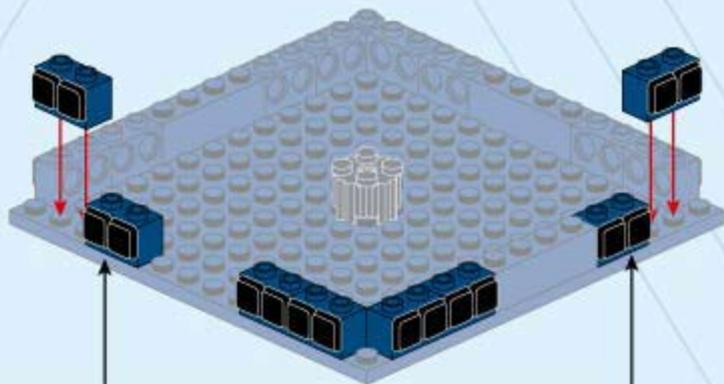
8x



16x



8x



A5



1x

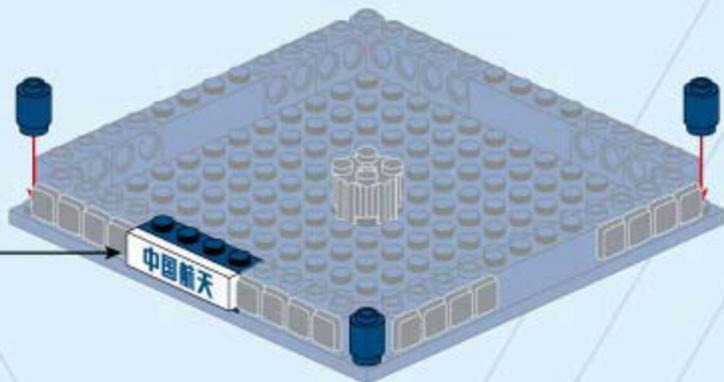


3x

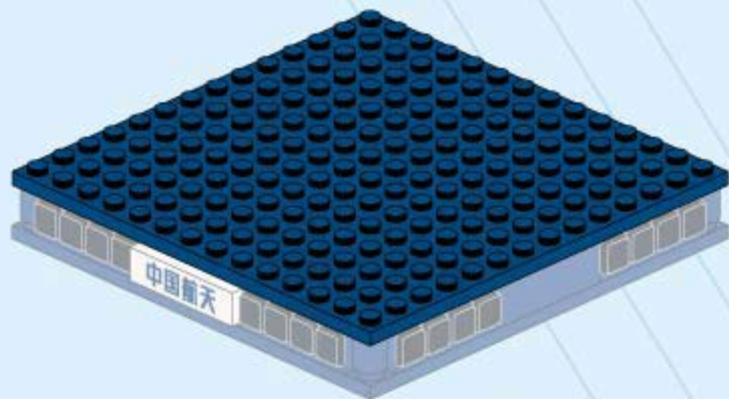
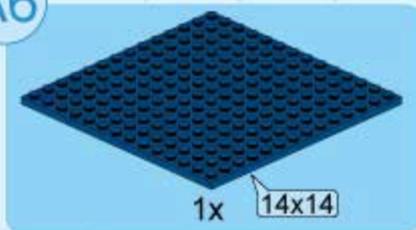


1x

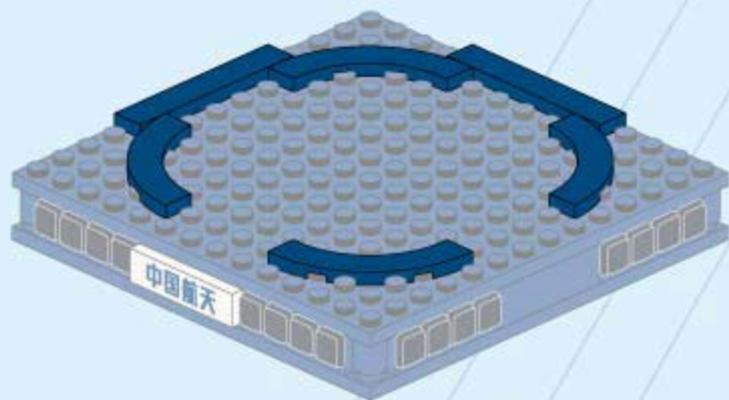
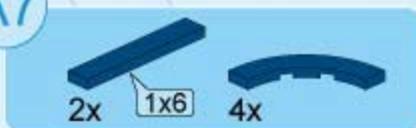
1x4



A6



A7



A8



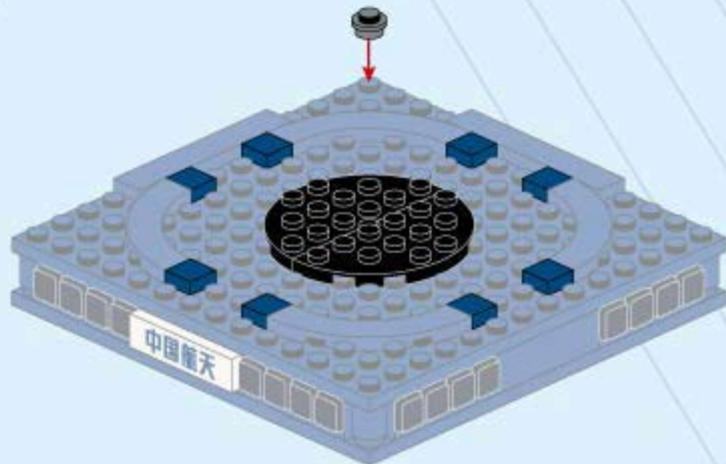
2x



8x



1x



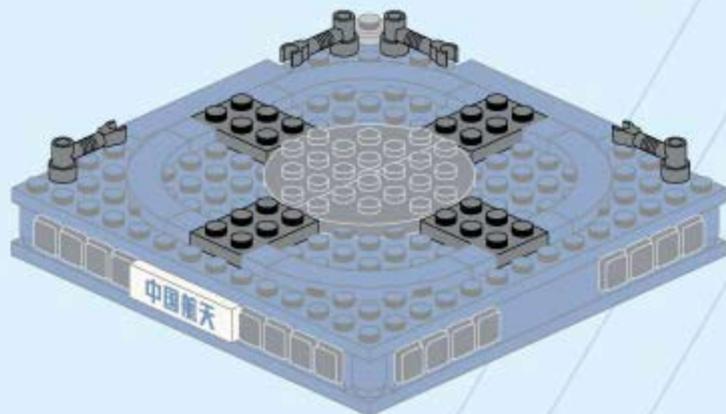
A9



4x



4x





A10



2x



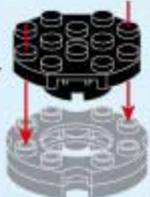
A11



1x



1x



A12



1x

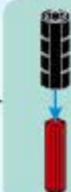


1x²



2

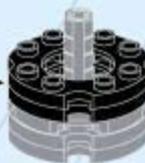
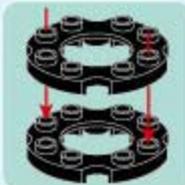
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A13



2x



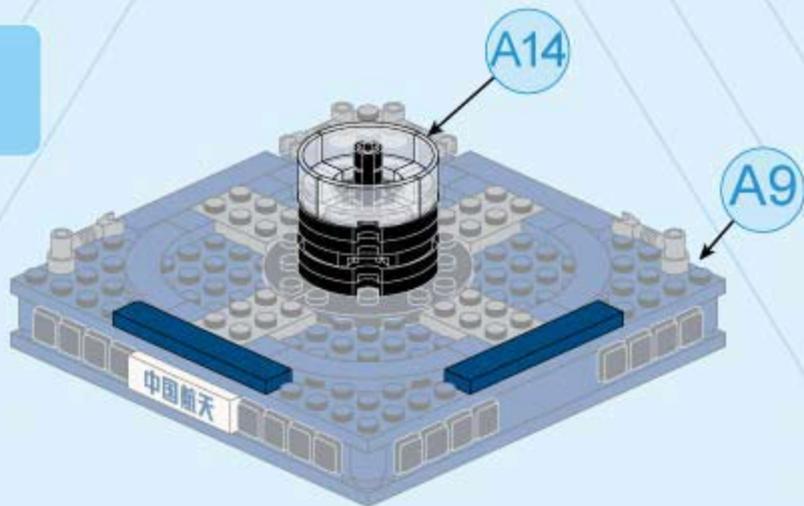
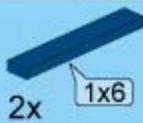
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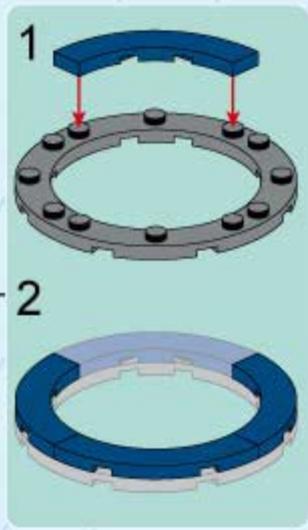
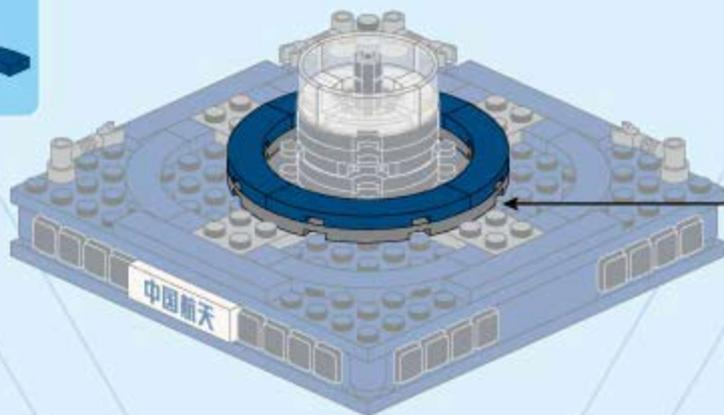
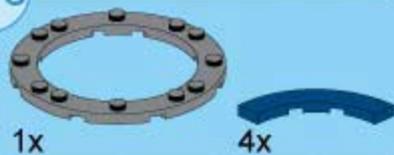
4x



A15



A16



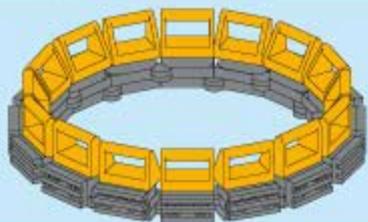
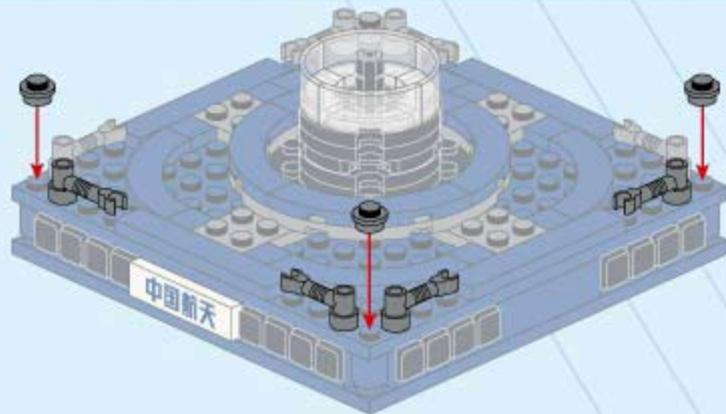
A17



4x



3x



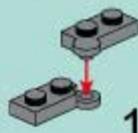
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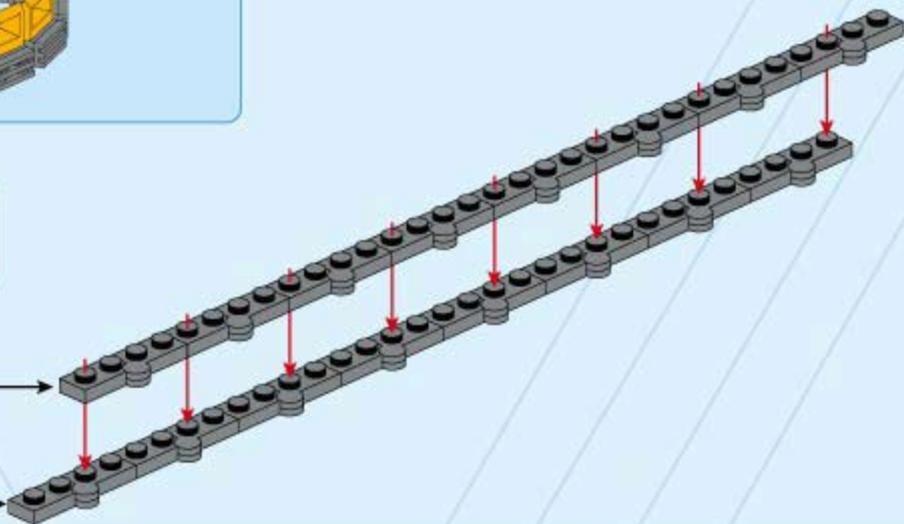
16x



16x



16x



A19



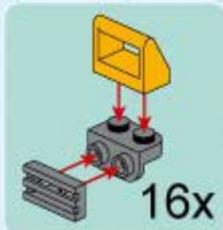
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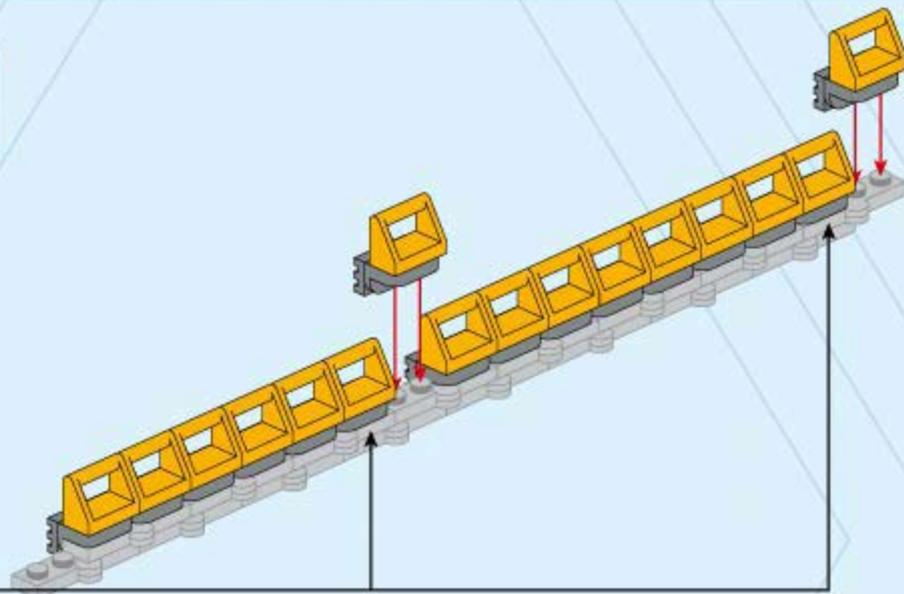
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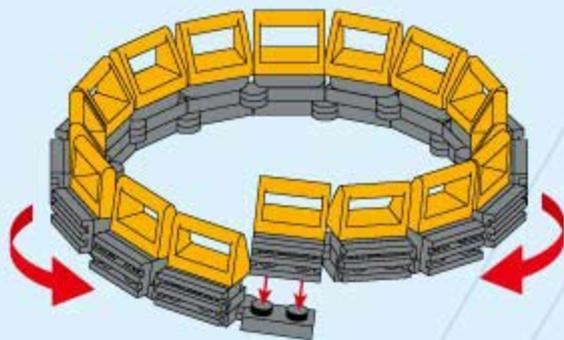
16x



16x



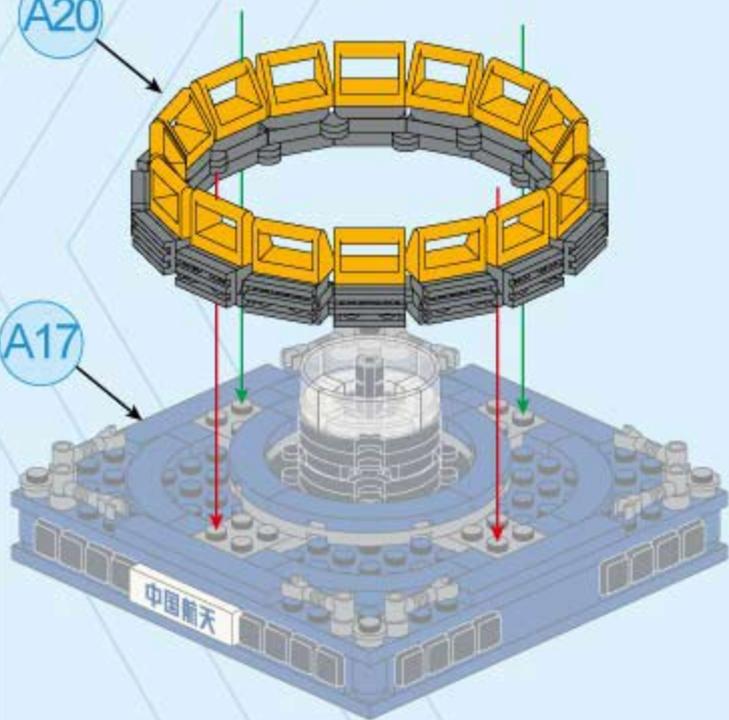
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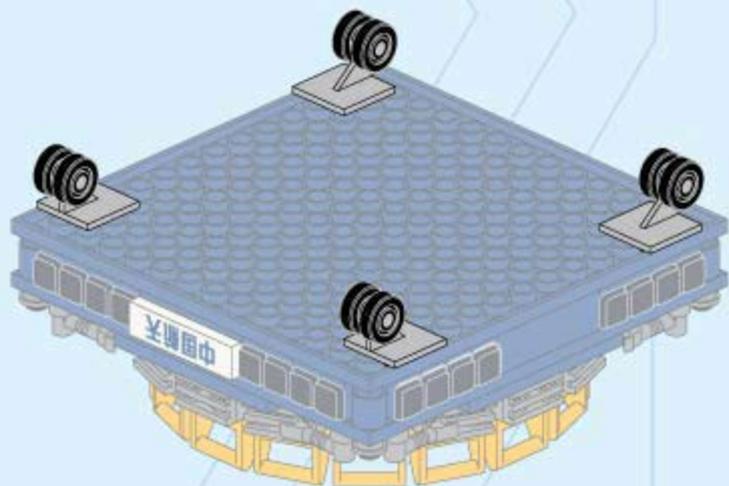
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A20

A17

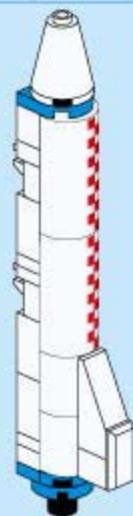
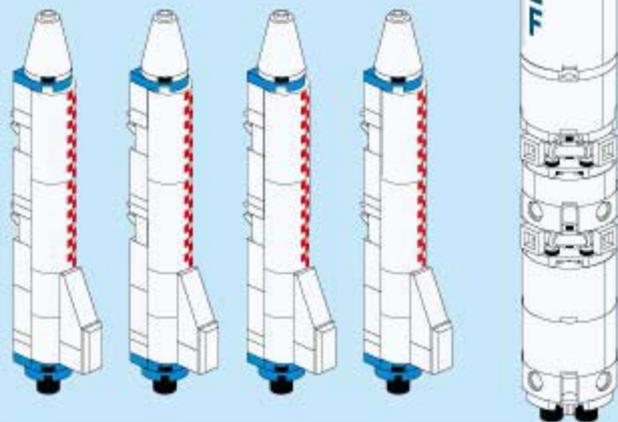


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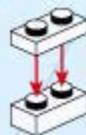
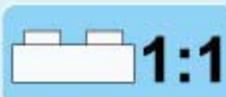


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A 4x

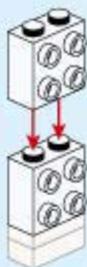
A23



A24



2x



A25



1x



1x



A26



2x



A27



1x



1x



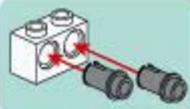
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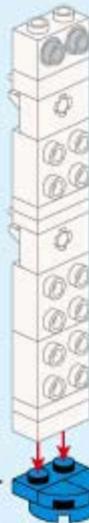
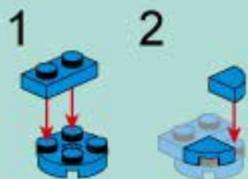
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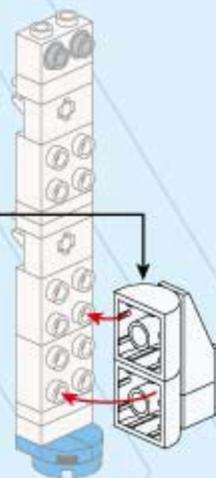
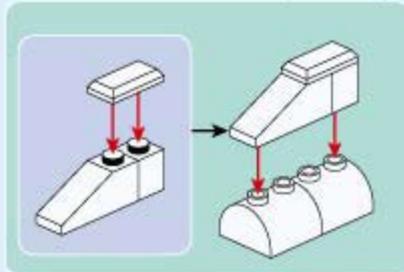
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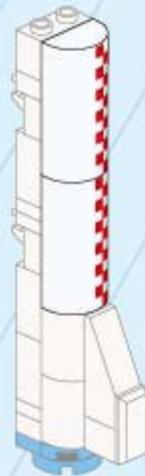
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A30



A31



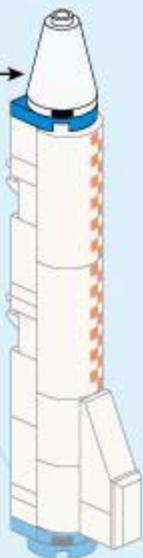
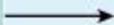
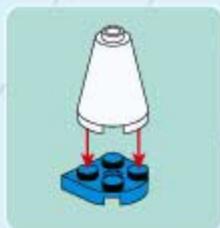
A32



1x



1x



A33



1x





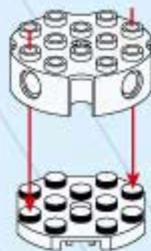
A34



1x



1x



A35



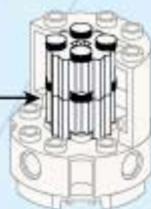
1x



A36



2x



A37



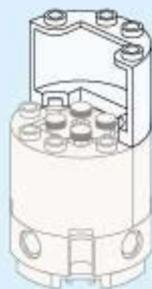
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A38



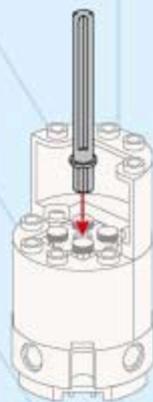
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A39



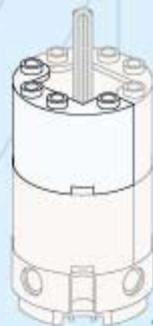
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A40



1x



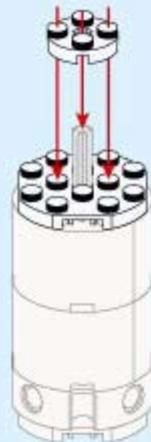
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1x



1x



A43



1x



1x



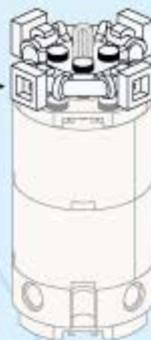
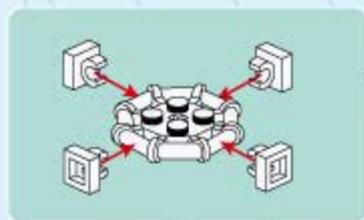
A42



1x



4x



A44



2x



10 1:1

A45



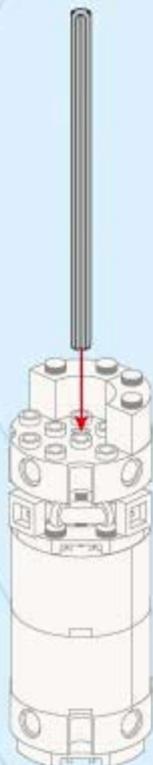
A46



1x



2x



A47



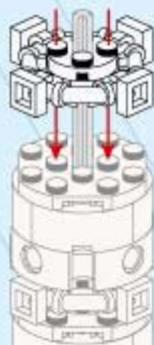
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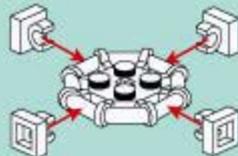
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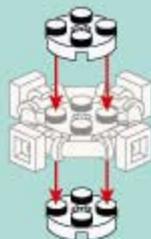
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1



2



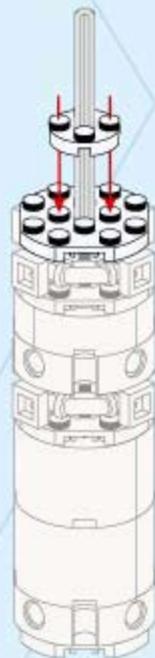
A48



1x



1x





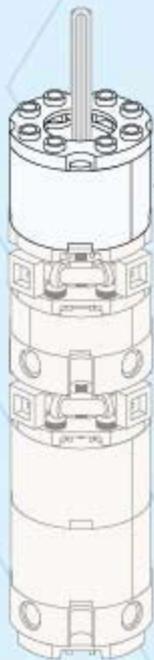
A49



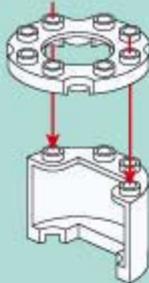
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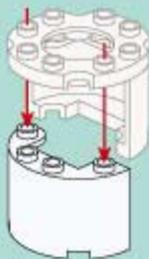
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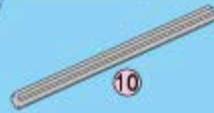
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2



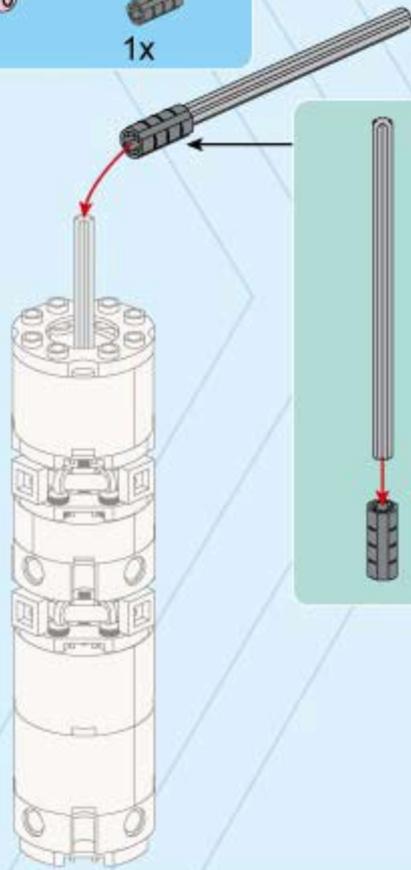
A50



1x



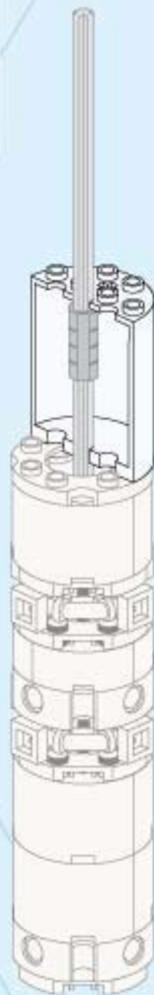
1x



A51



1x



A52



1x



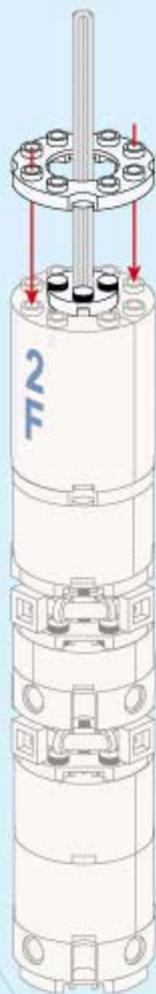
A53



1x



1x



A54



1x



10 1:1

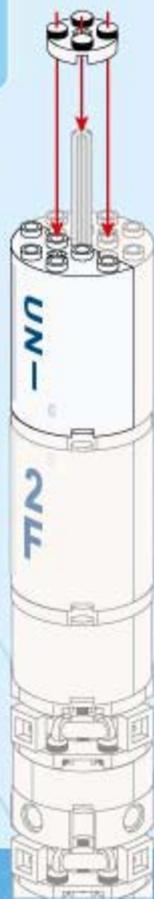
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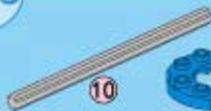
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1x



A56



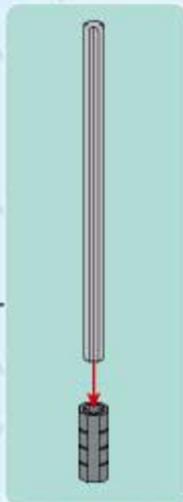
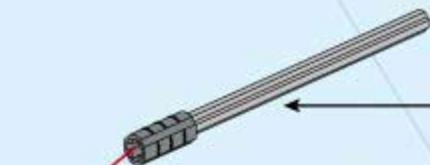
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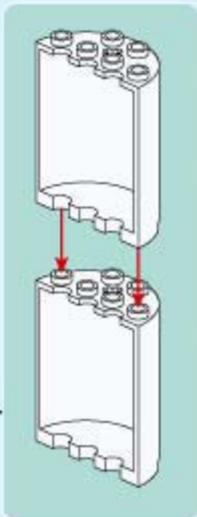
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A57



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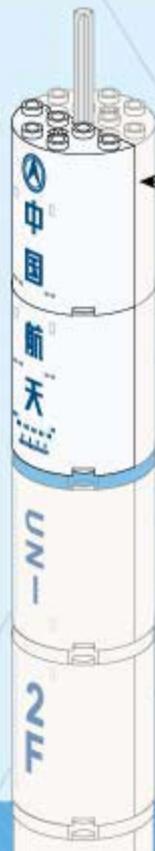
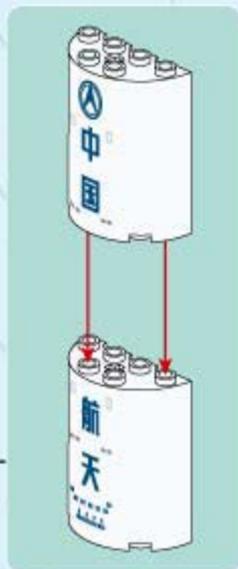
A58



1x



1x



A59



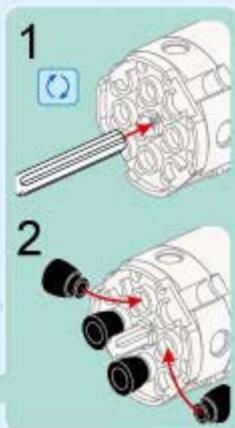
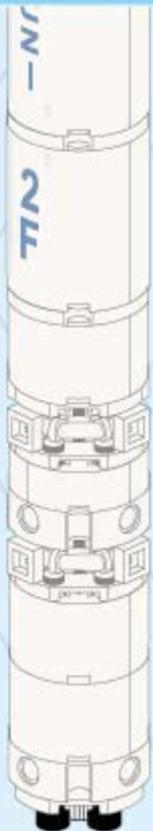
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4x



4 1:1



1x



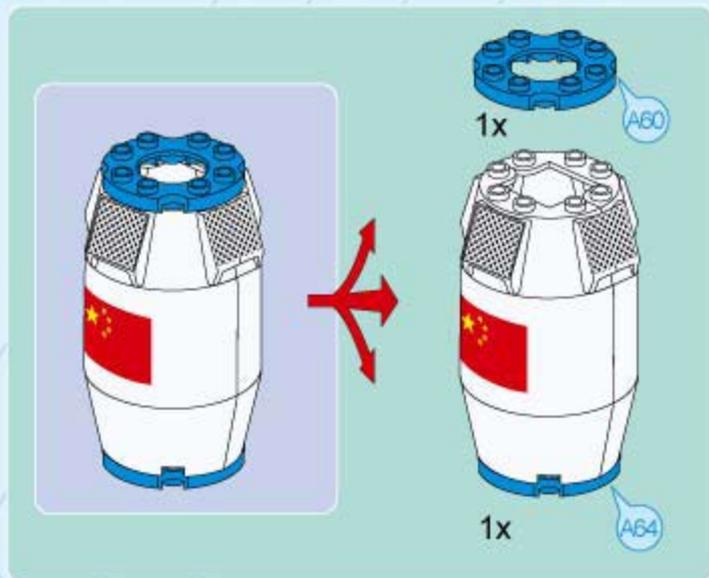
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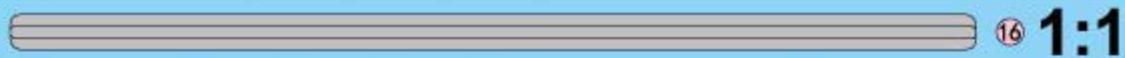
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A60

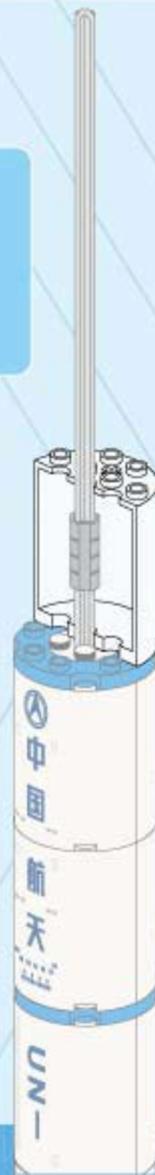
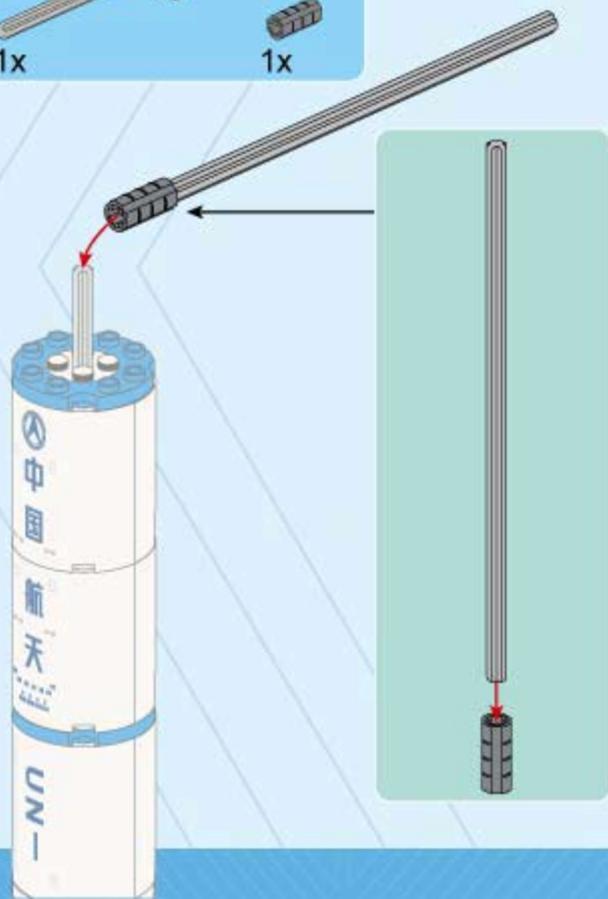
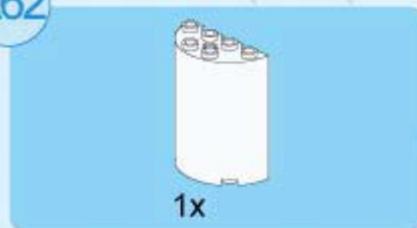




A61



A62



A63



1x

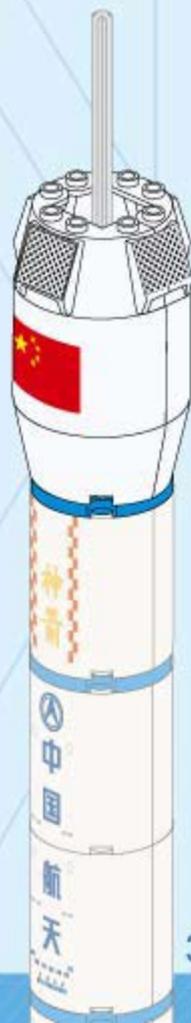
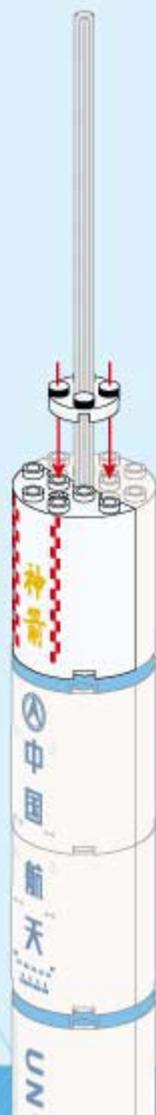


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A64



1x



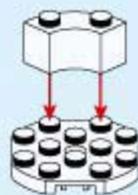
A65



1x



1x



A66



3x



A67



1x



2x



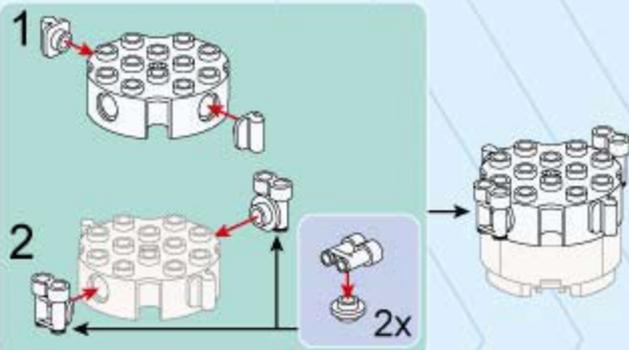
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2x

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2



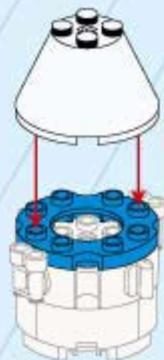
A68



1x



1x



A69



1x



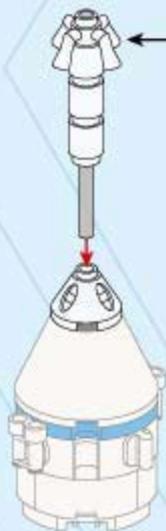
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1x



3x



1



2



A70



1x



1x



A71

A70

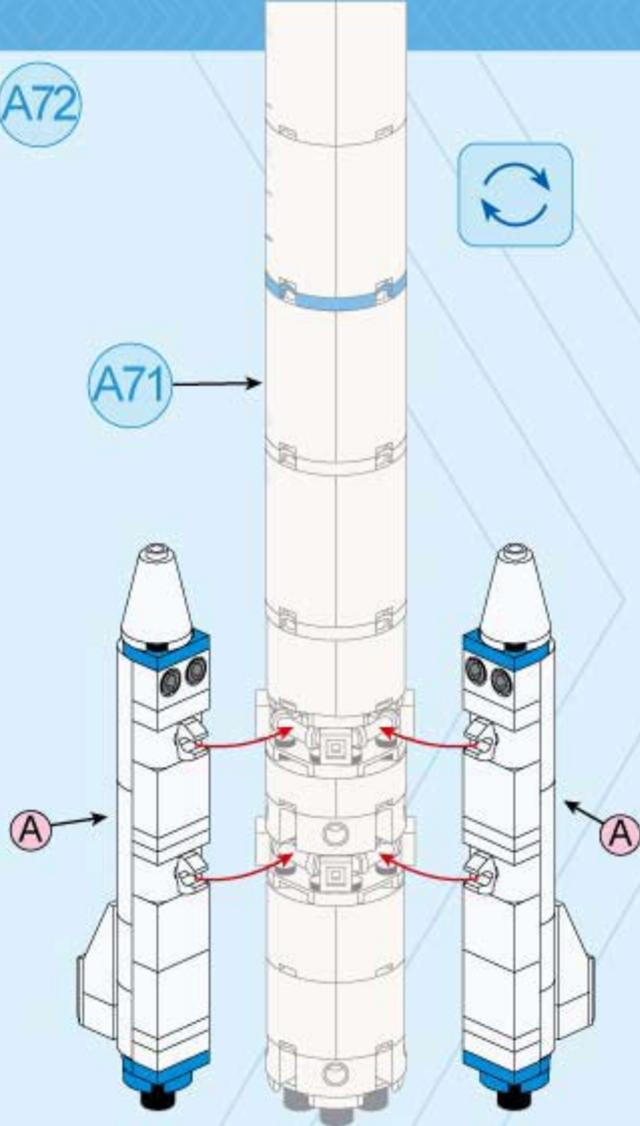
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A72

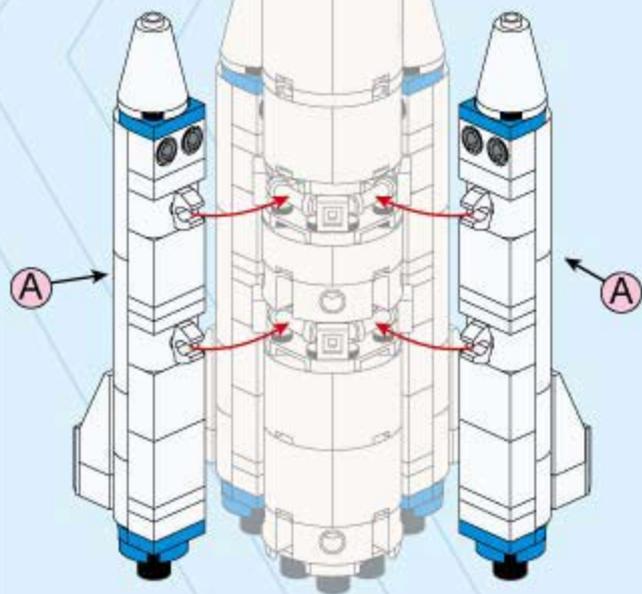
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A

A

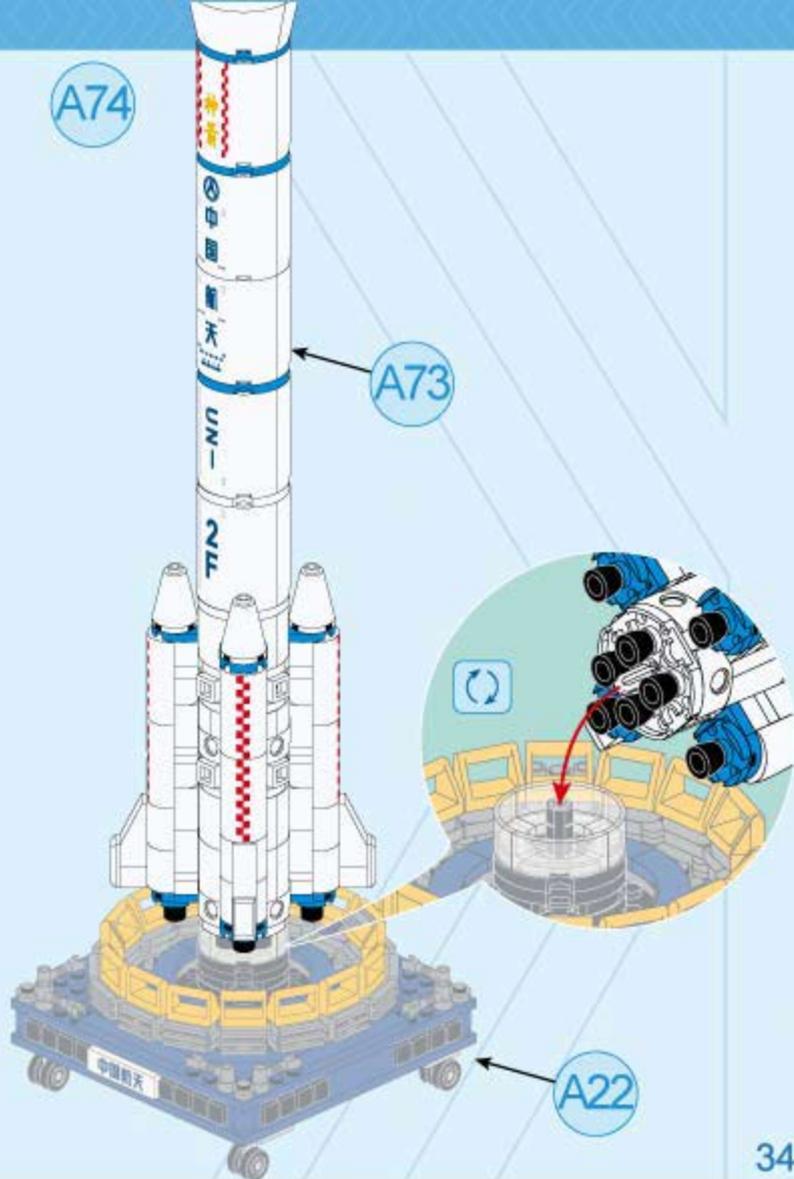


A73



A72

A74



A73

A22



B1



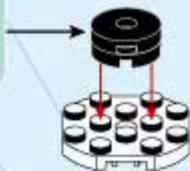
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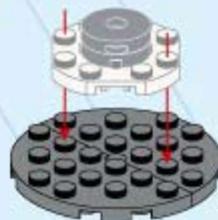
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B2



2x

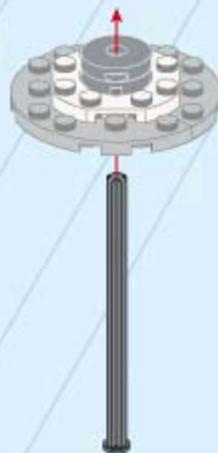


8 1:1

B3



1x





B4



1x



1x



B5



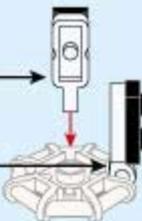
2x



2x



2x



B6



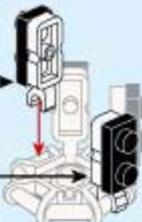
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2x



2x



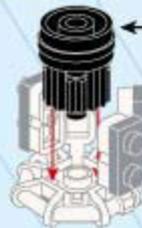
B7



1x



1x



B8



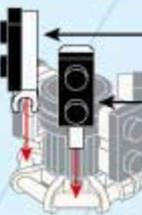
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2x



2x



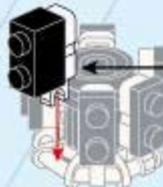
B9



1x



1x



B10

B9



B3



B11



1x



1x



B12



1x

11

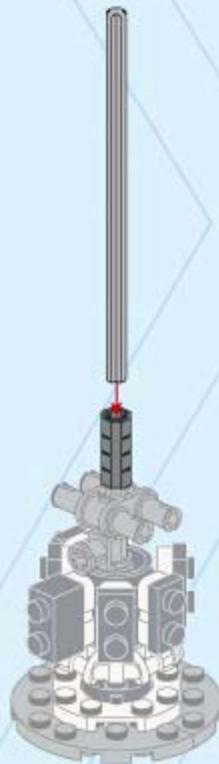


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11

1:1



B13



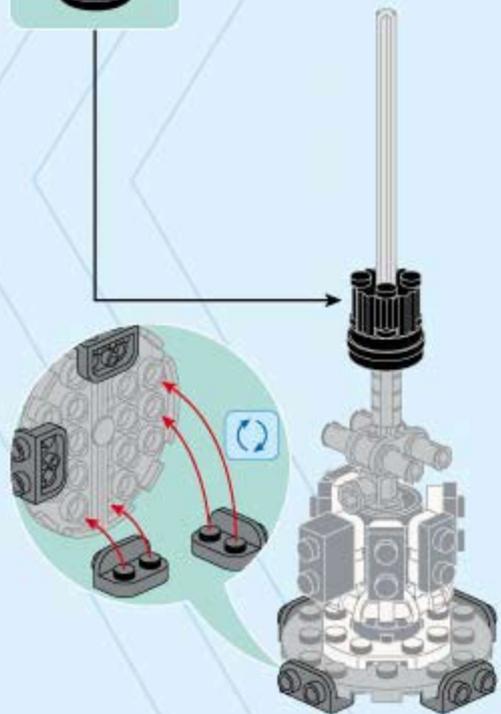
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1x



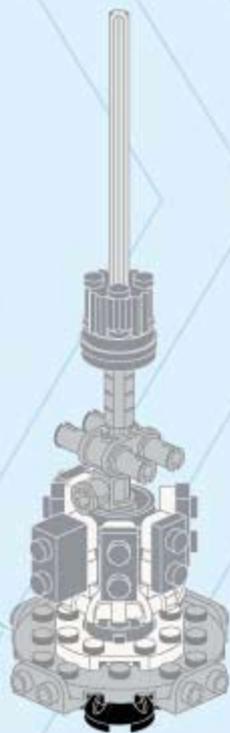
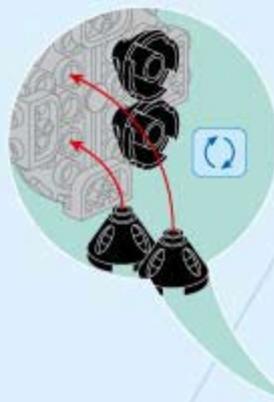
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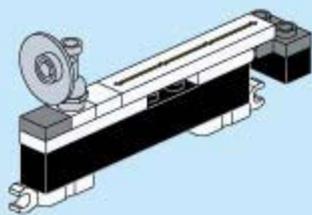


B14

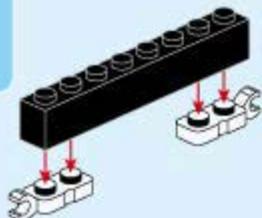
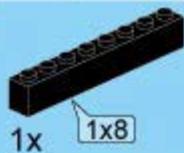


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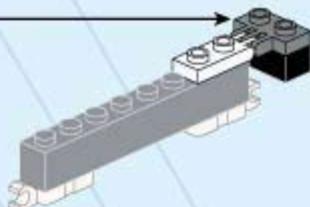
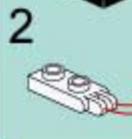
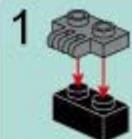




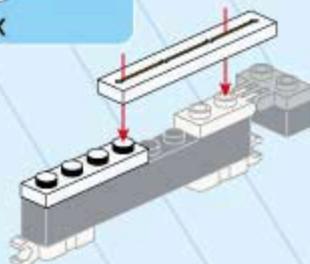
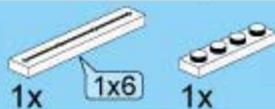
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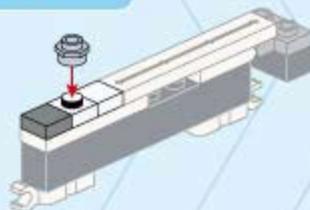
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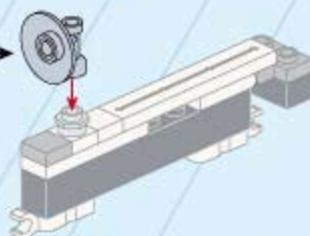
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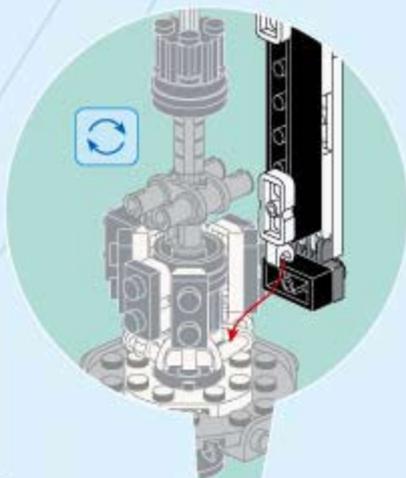
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B19

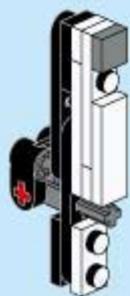
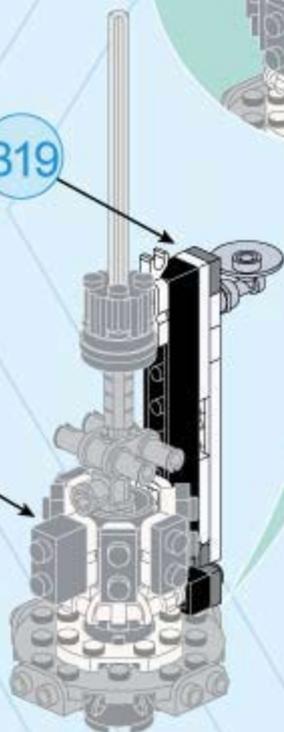


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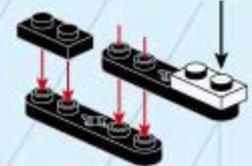
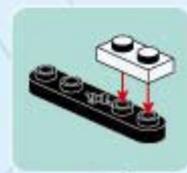
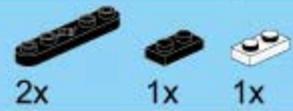
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B14

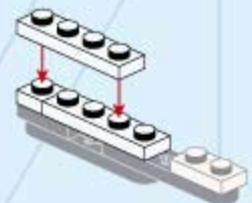


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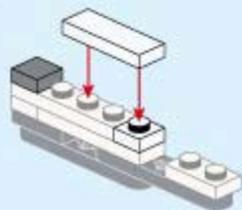
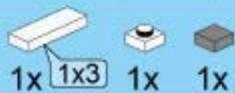
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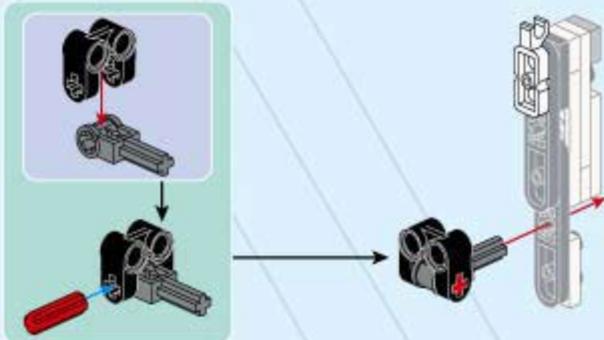
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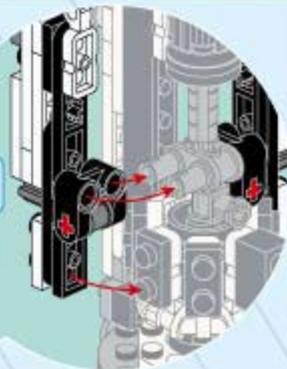
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B24

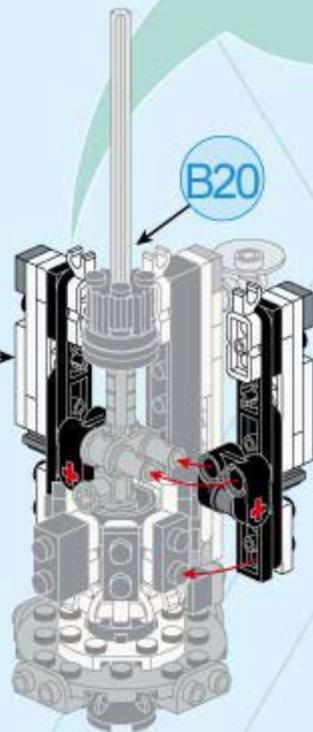


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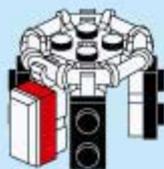


B20

A



A



B26



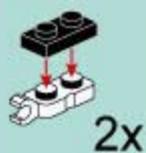
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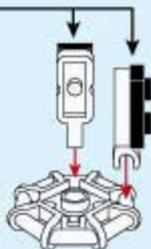
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2x



2x



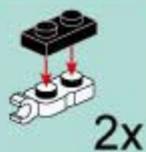
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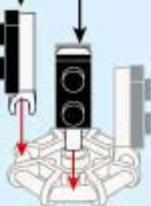
2x



2x



2x



B28



1x



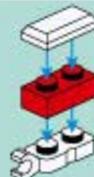
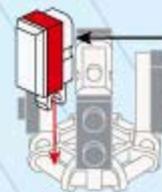
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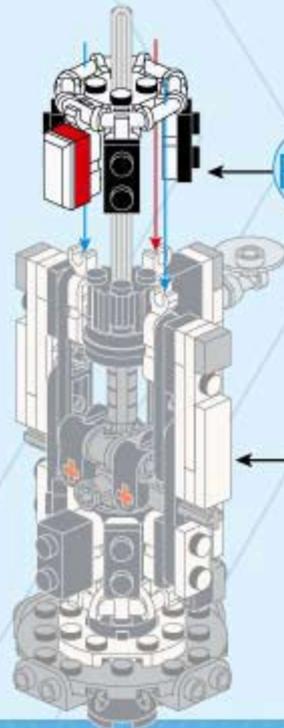
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1:1



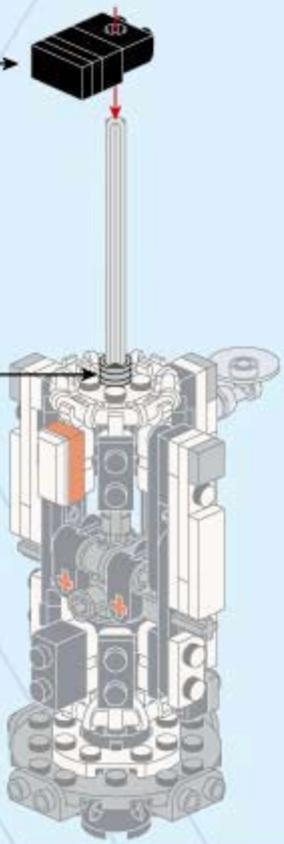
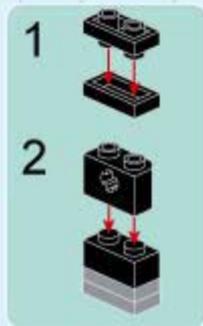
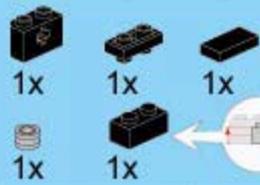
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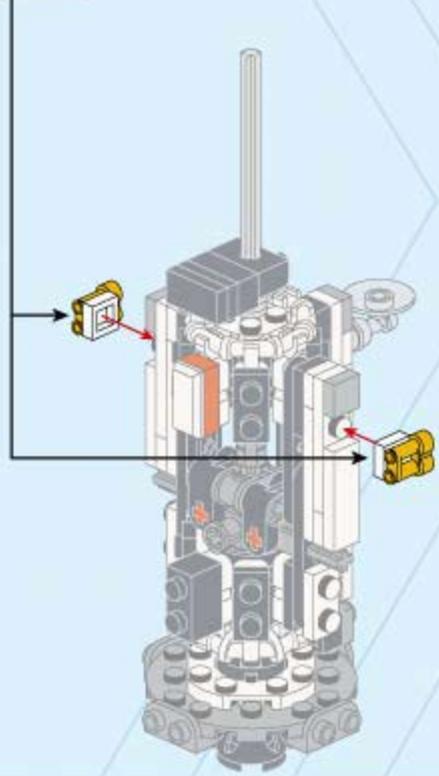
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B25

B30



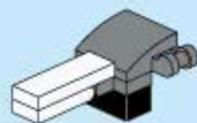
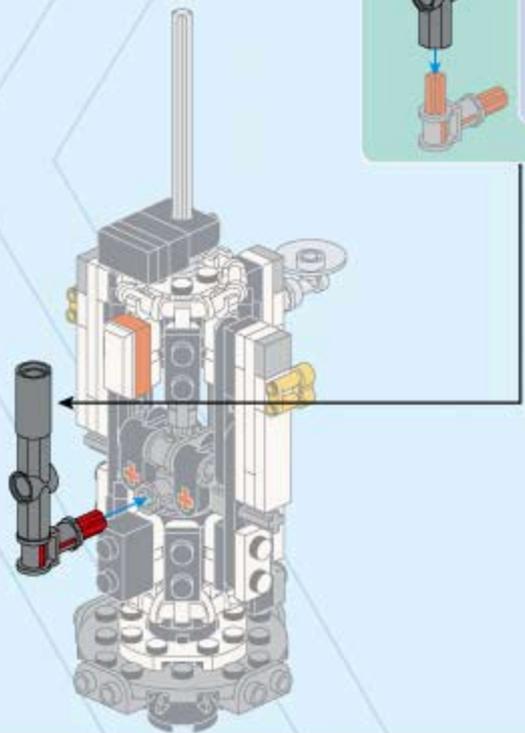
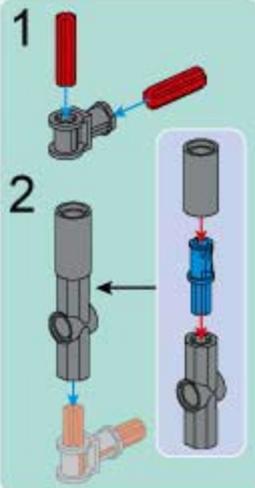
B31



B32



② **1:1**



B 2x

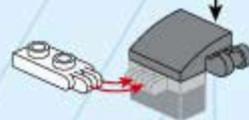
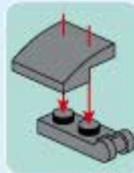
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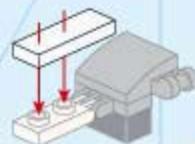
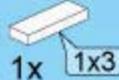
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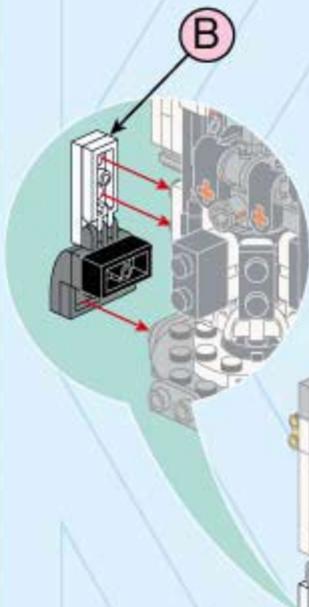
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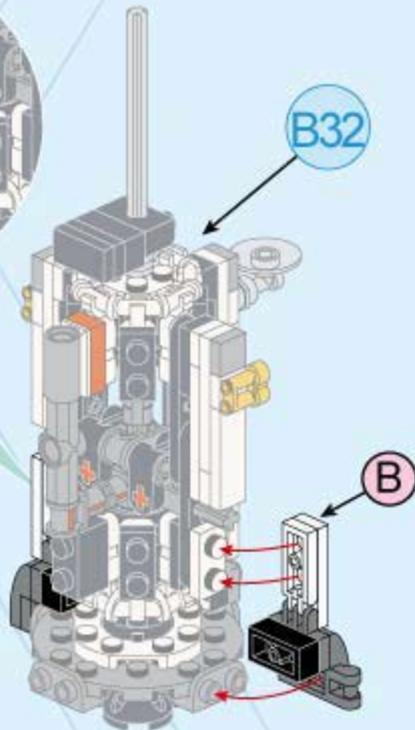
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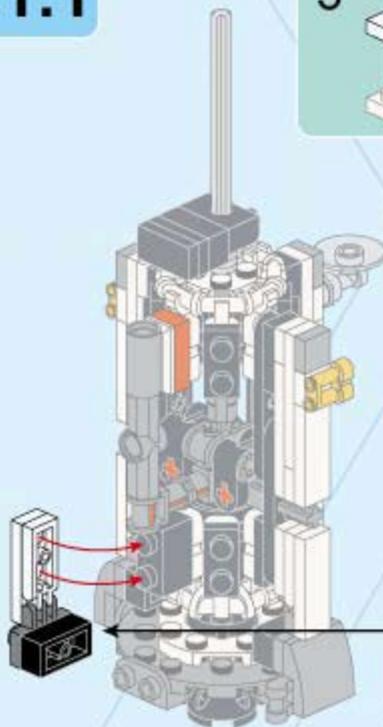
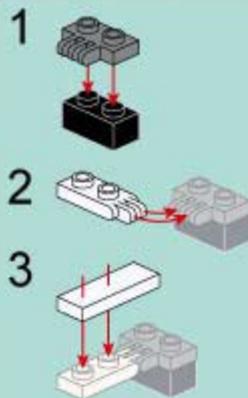
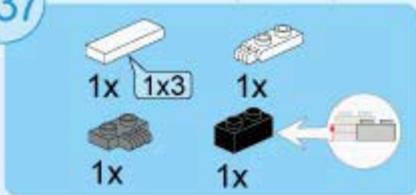
B36



B32



B37



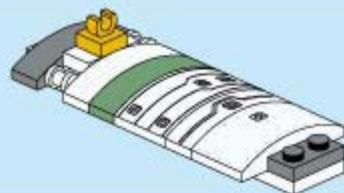
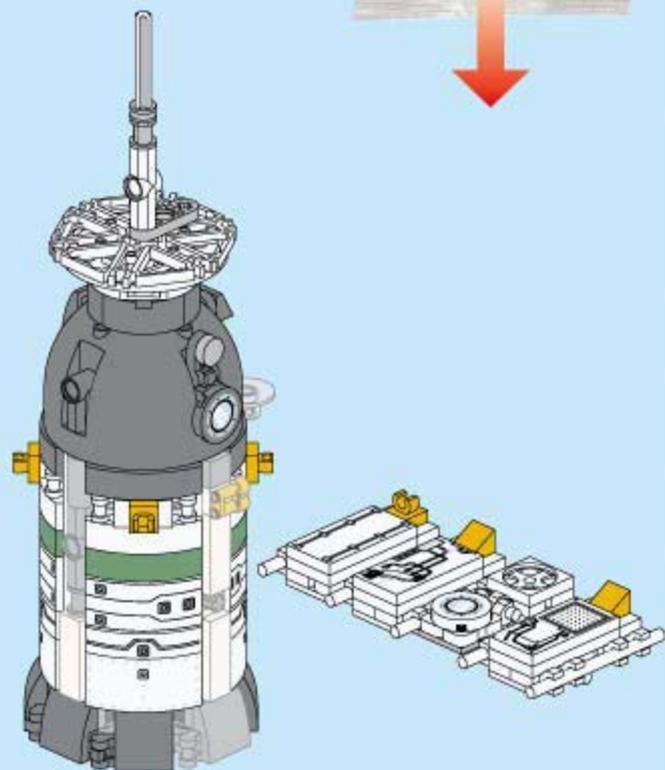


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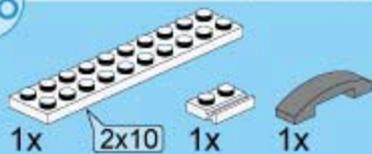


4



Ⓢ 2x

B38

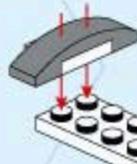
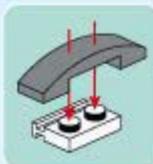


1x

2x10

1x

1x



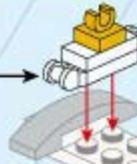
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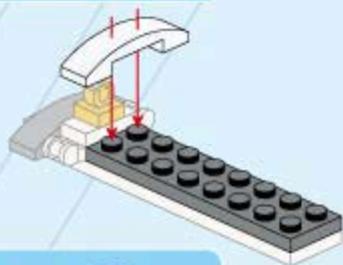
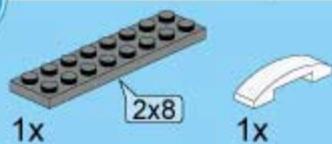
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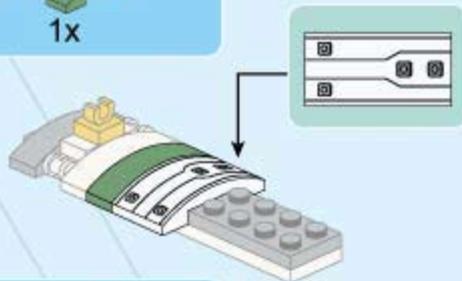
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B40



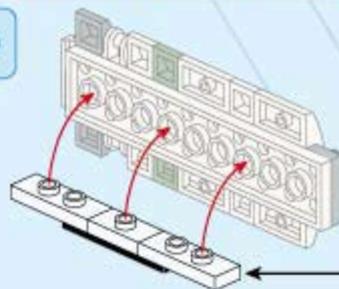
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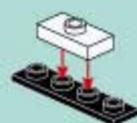
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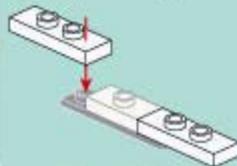
B43



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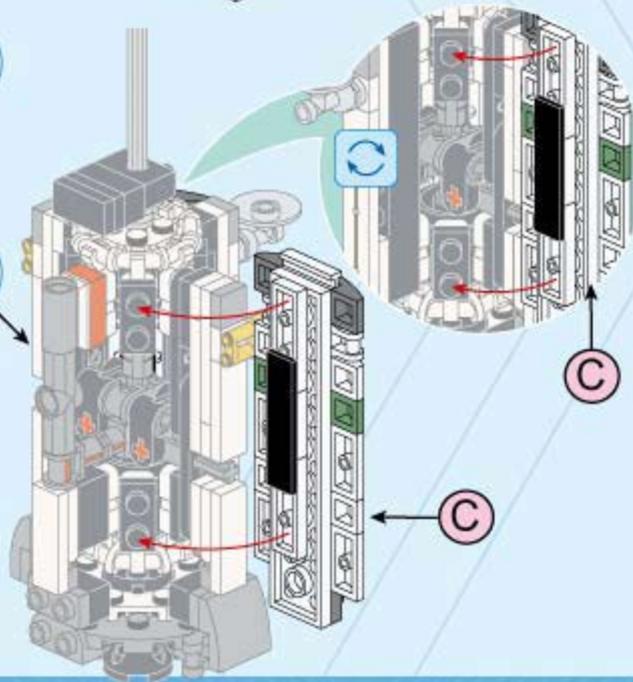


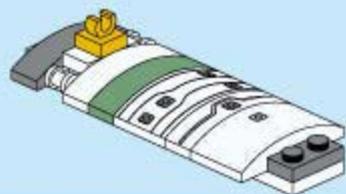
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B44

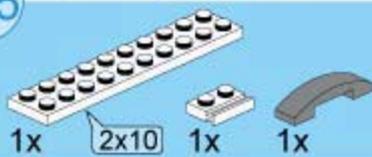
B37





D 2x

B45

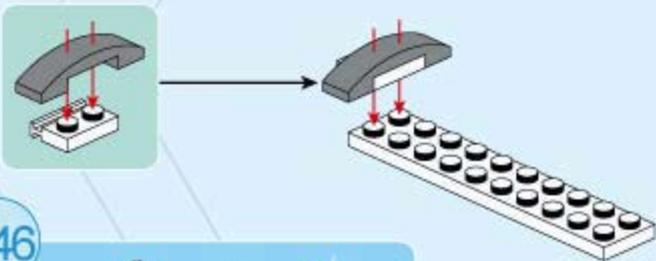


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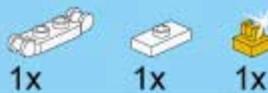
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1x

1x



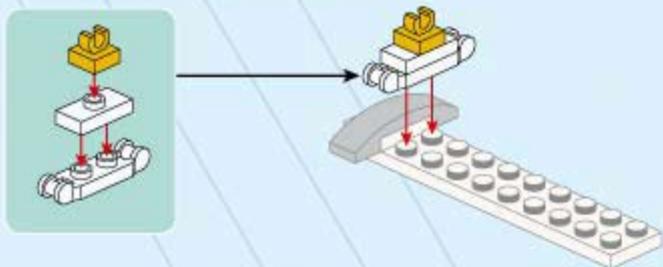
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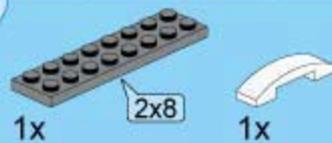
1x

1x

1x



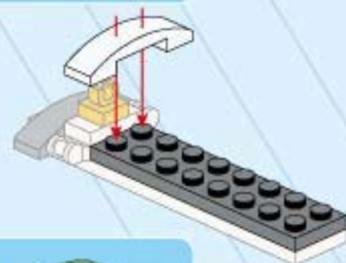
B47



1x

2x8

1x

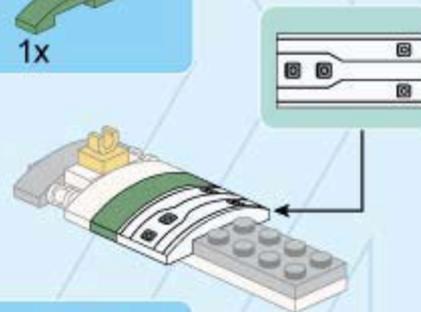


B48



1x

1x



B49

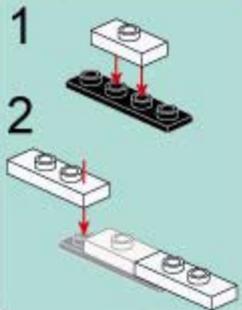
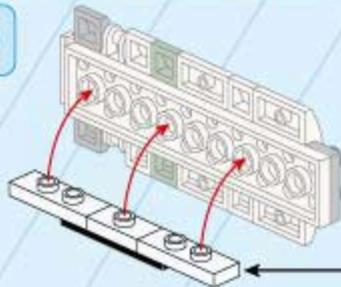


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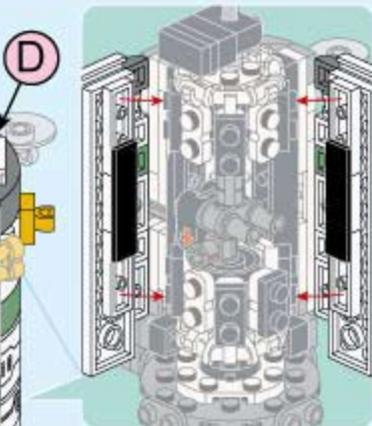
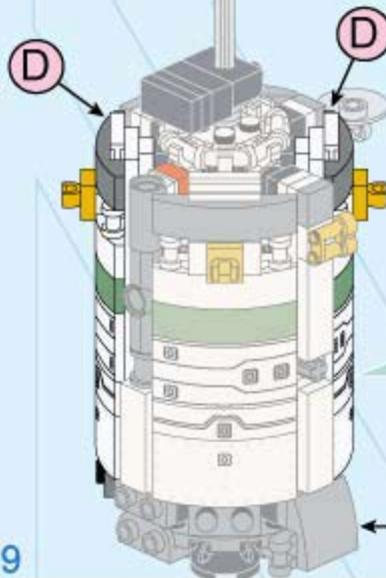
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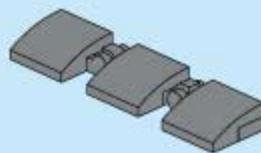
B50



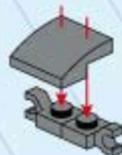
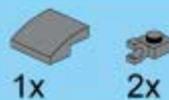
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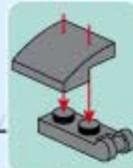
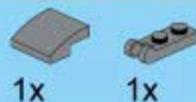
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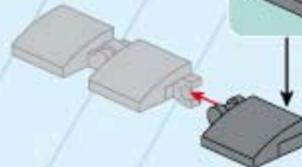
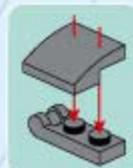
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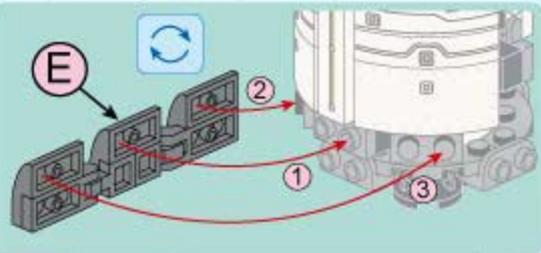
B53



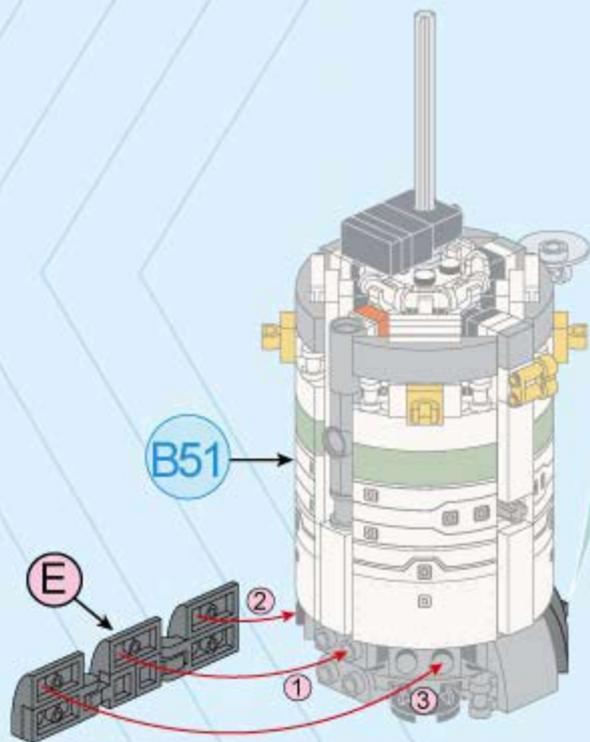
B54



B55



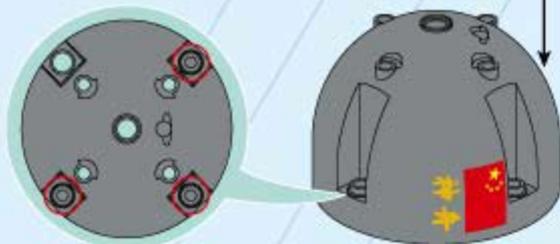
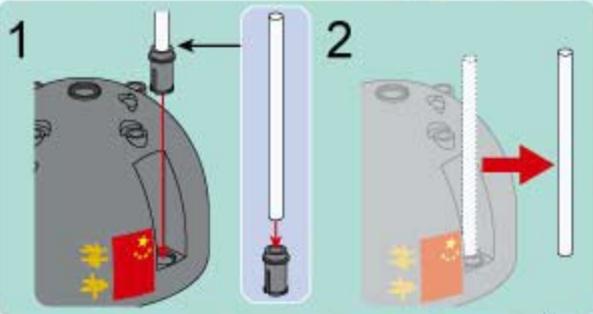
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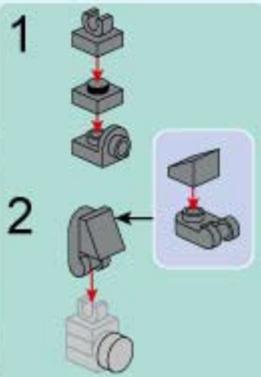
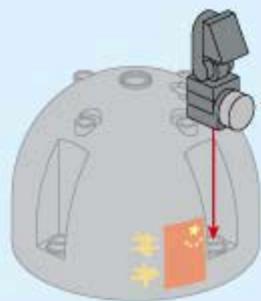
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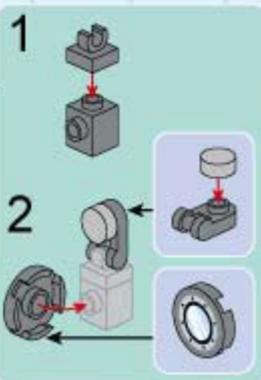
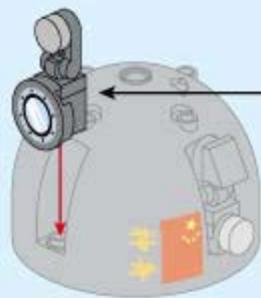
圆轴为辅助安装工具
The circular axle is the installation tool



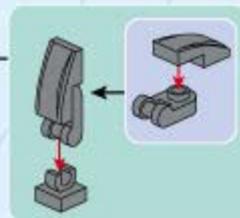
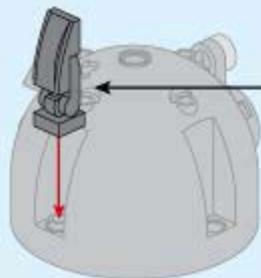
B57



B58



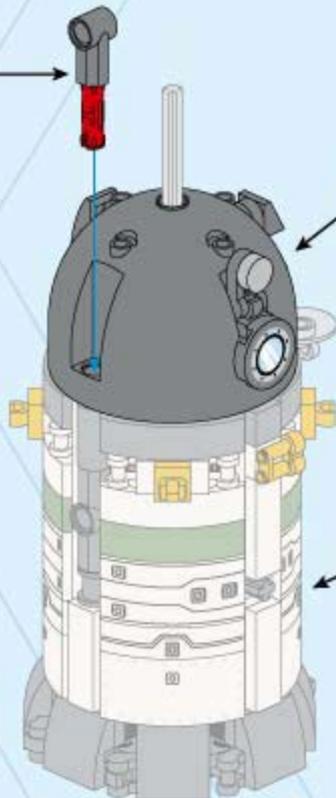
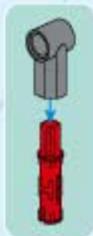
B59



B60

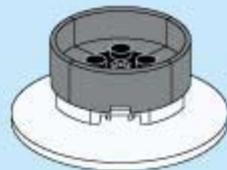
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1x



B59

B55



B61

1x

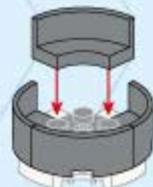
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B62



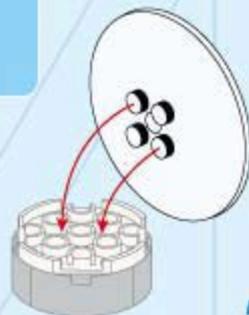
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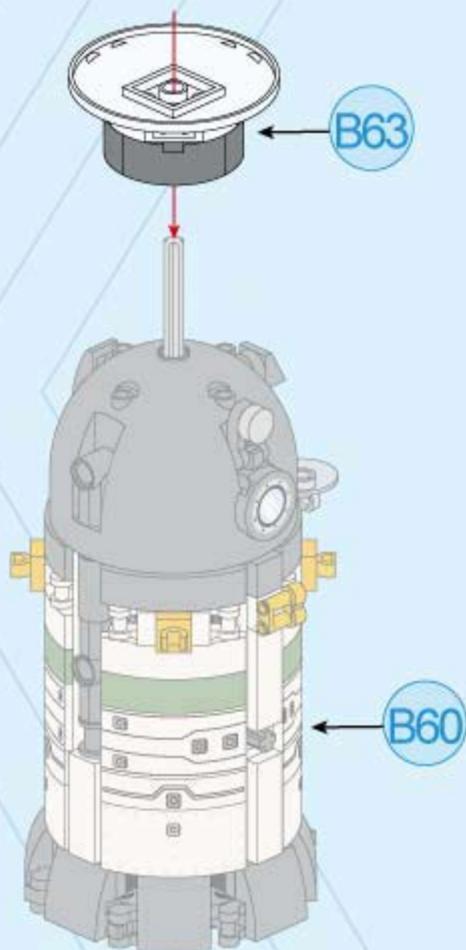
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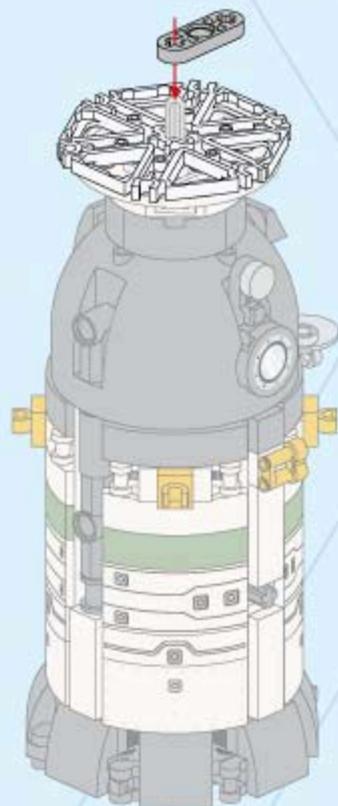
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B64

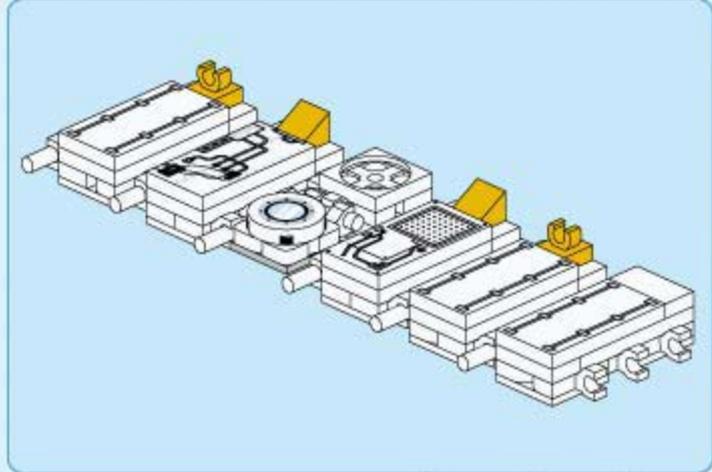
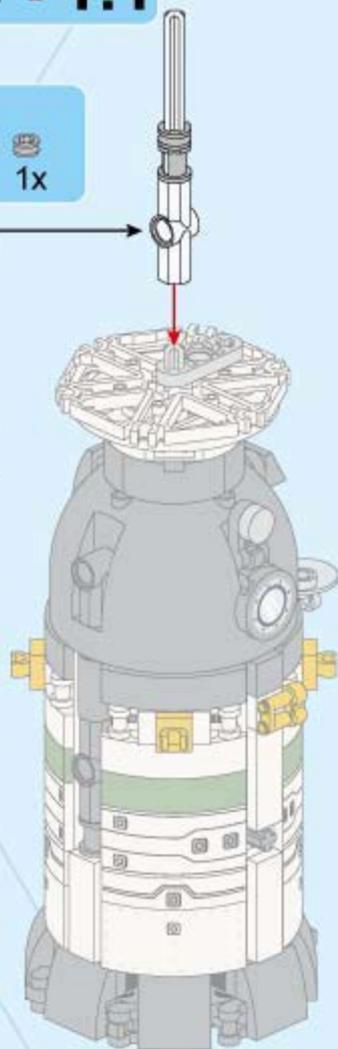
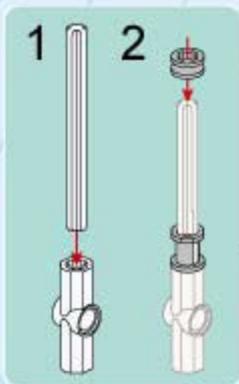


B65



6 1:1

B66



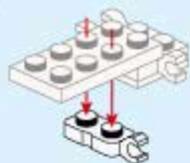
B67



B68



1x



B69



1x



1x

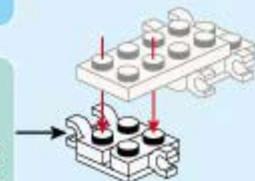


1x

1



2



B70

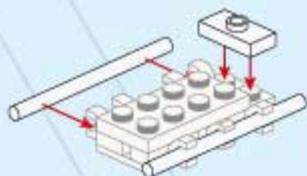


2x

6



1x



B71

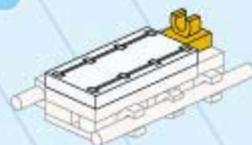


1x

2x4



1x



B72



1x



1x



1x

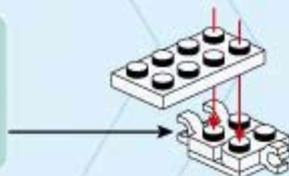


1x

1



2



B73



1x

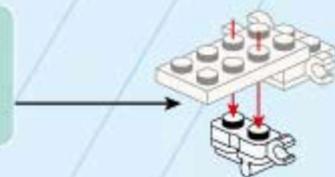


2x

1



2



B74



1x



2x

1



2



B75

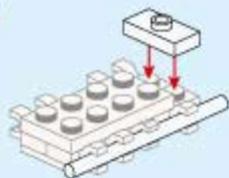


1x

6



1x



B76

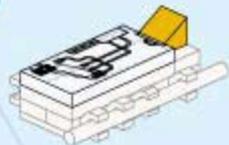


1x

2x4

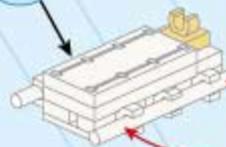


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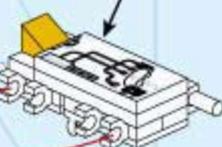


B77

B71



B76



B78



1x



1x



B79



1x



B80

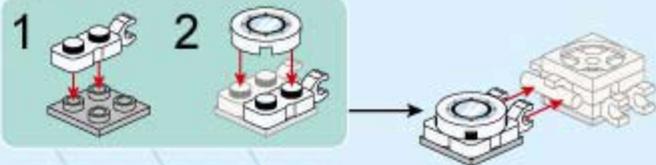
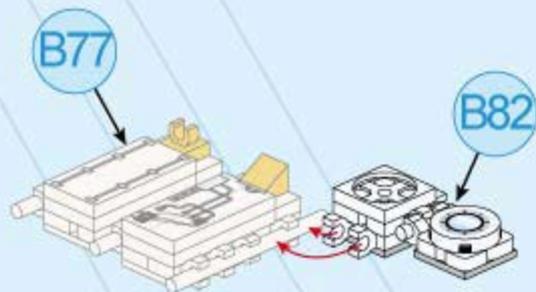
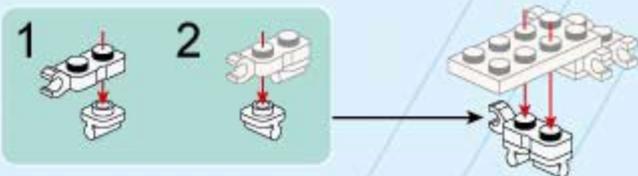


1x

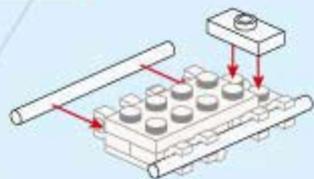


1x



B81**B82****B83****B84****B85****B86**

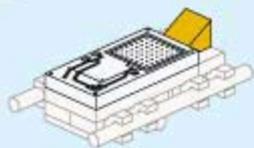
B87



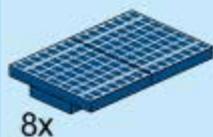
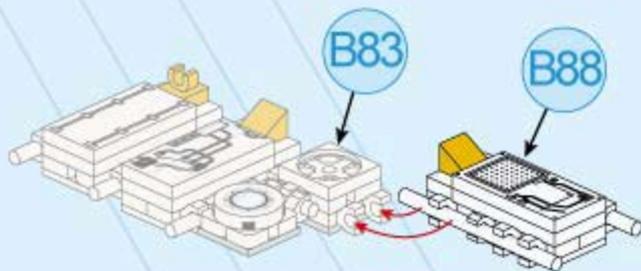
B88



2x4



B89

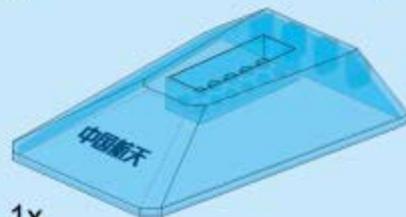


8x

+



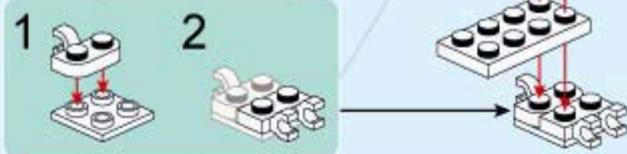
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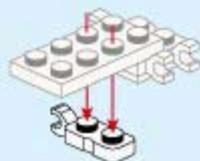
1x



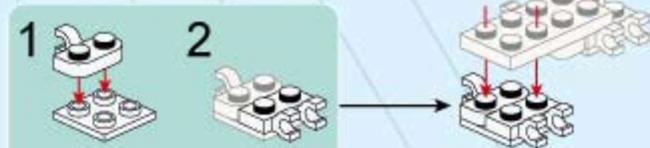
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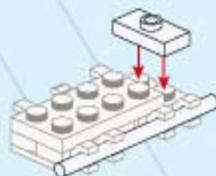
B91



B92



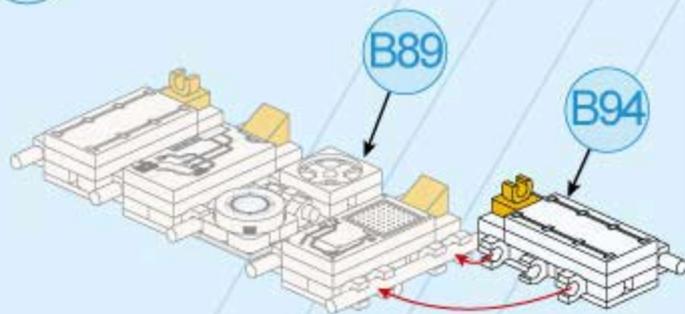
B93



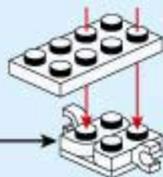
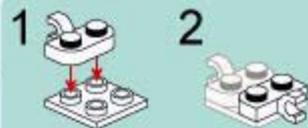
B94



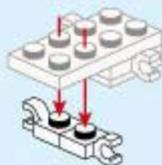
B95



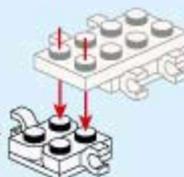
B96



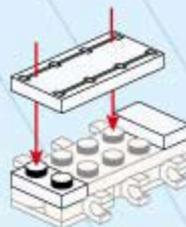
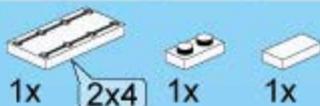
B97



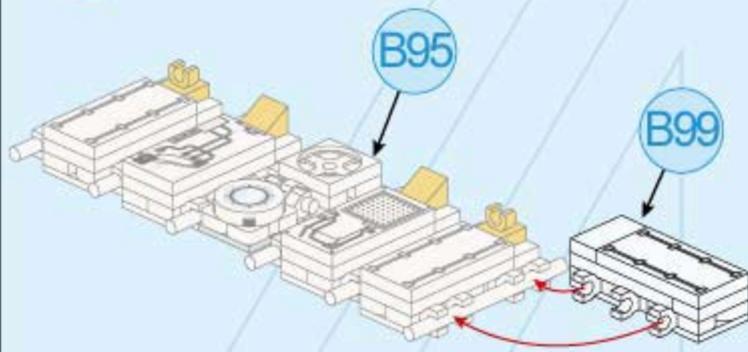
B98



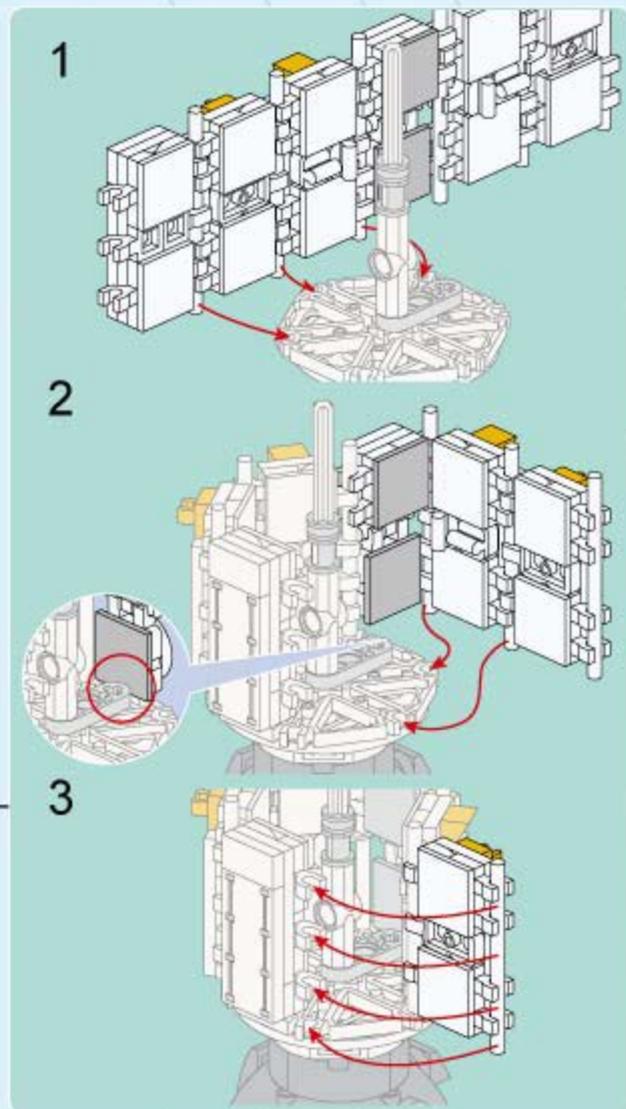
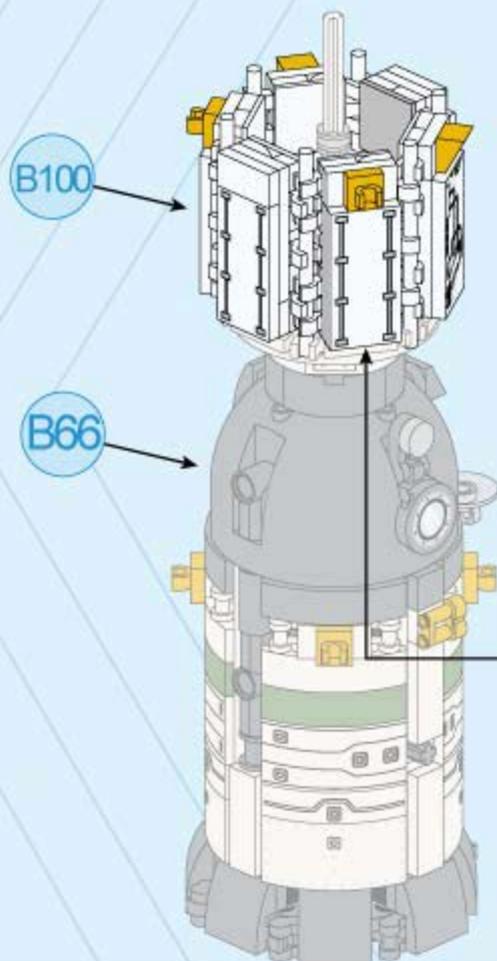
B99



B100



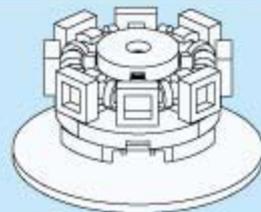
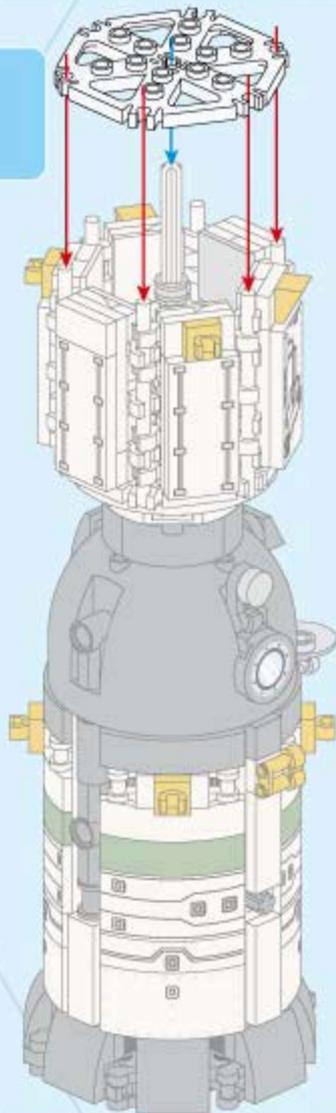
B101



B102



1x



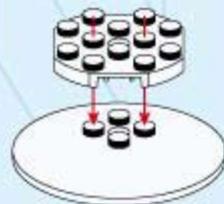
B103



1x



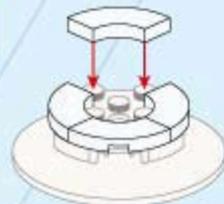
1x



B104



4x



B105



1x



B106



1x



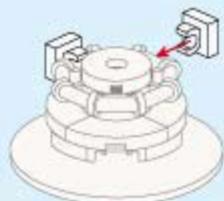
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B107



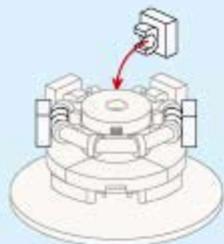
2x



B108



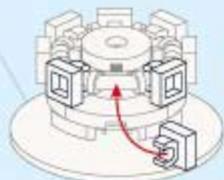
3x



B109



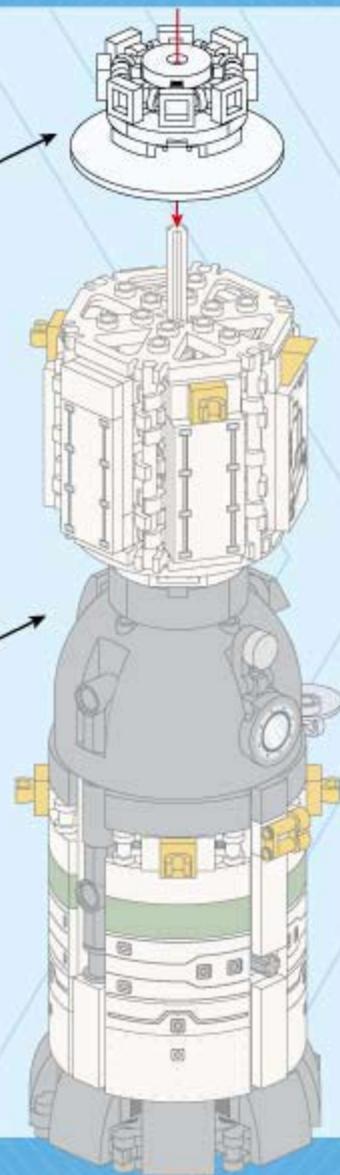
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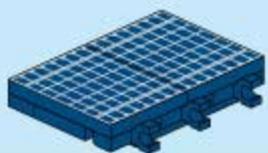


B110

B109

B102





A 2x

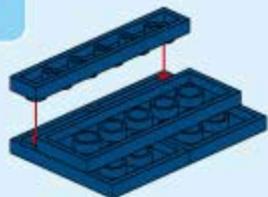
B111



1x



1x



B112



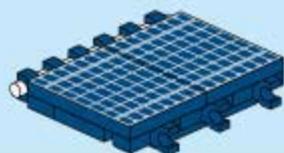
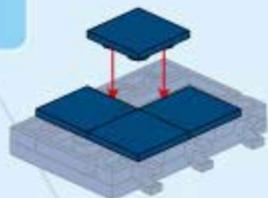
3x



B113

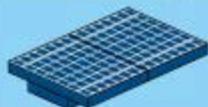


4x



B 4x

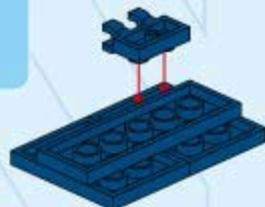
B114



1x



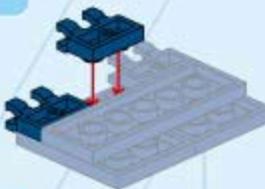
1x



B115



2x



B116



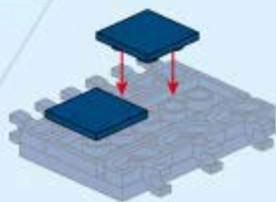
3x



B117



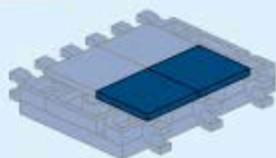
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B118



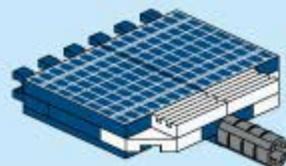
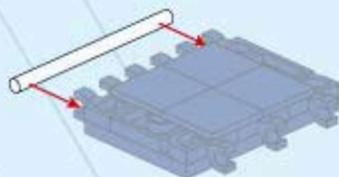
2x



B119

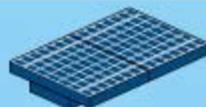


1x



© 2x

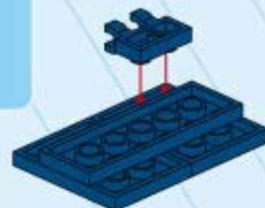
B120



1x



1x



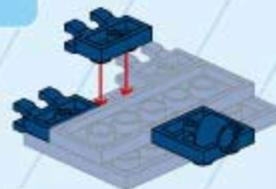
B121



2x



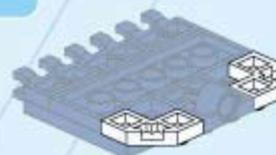
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B122

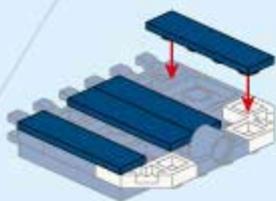


2x



B123

4x

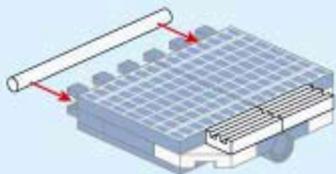


B124

1x

6

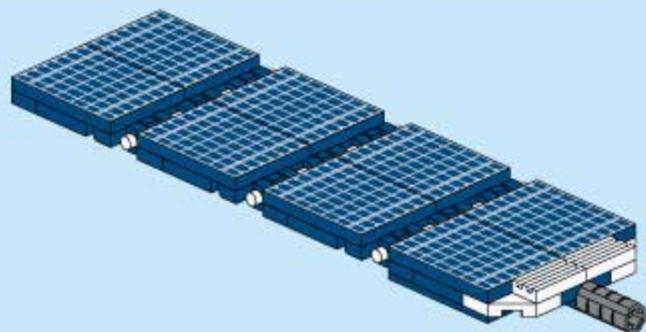
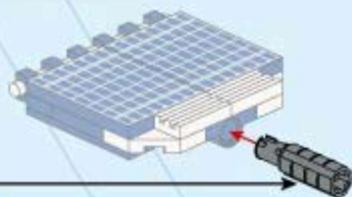
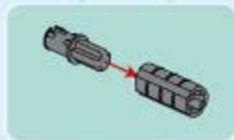
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B125

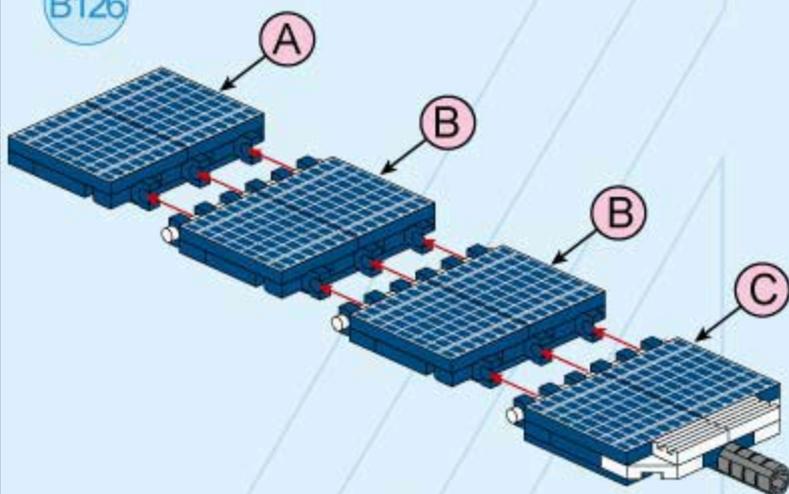
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1x

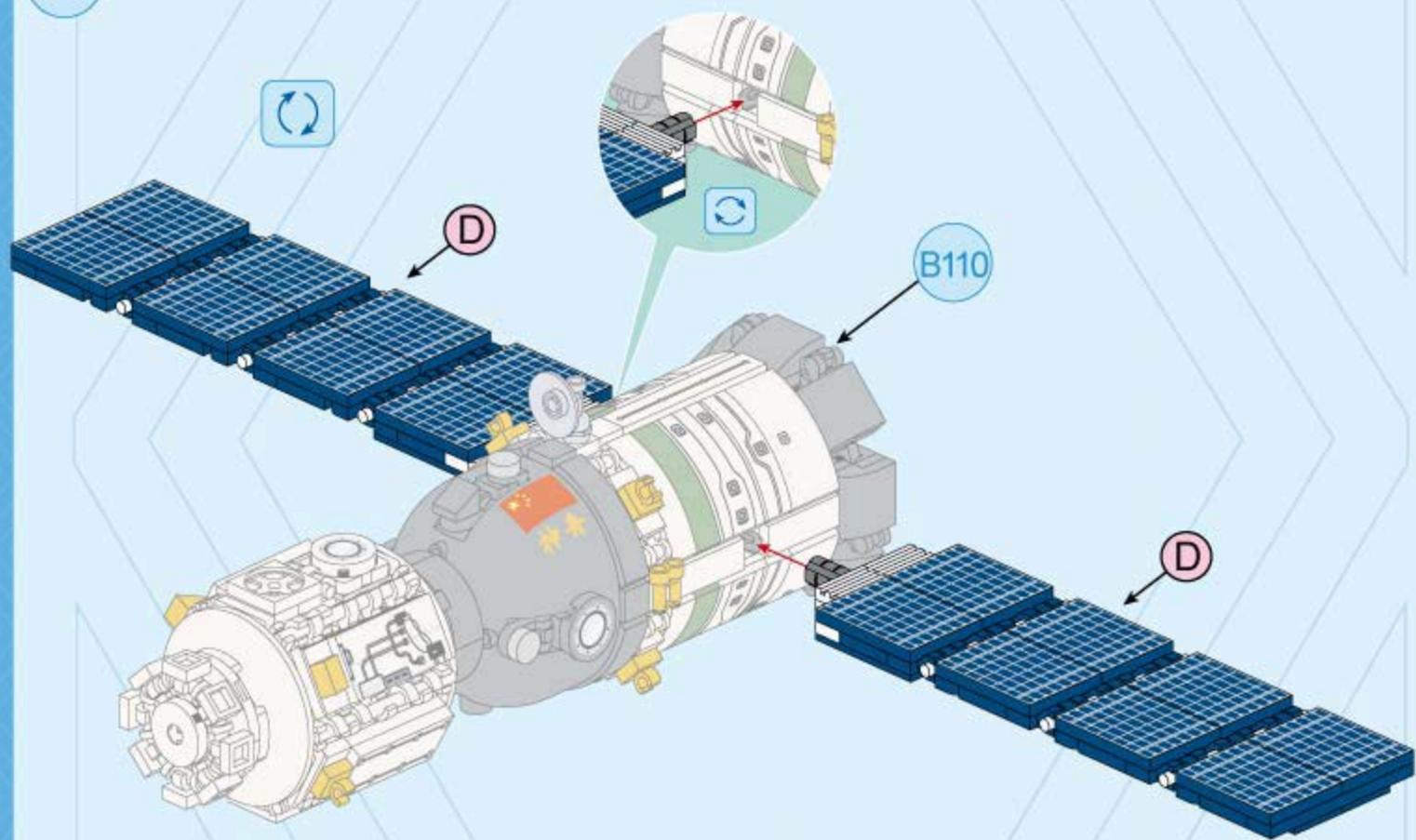


D 2x

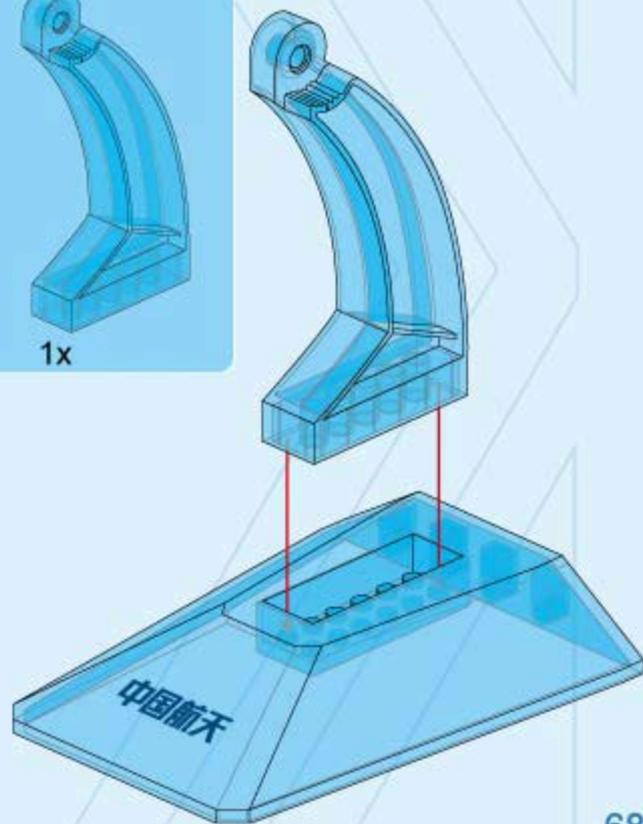
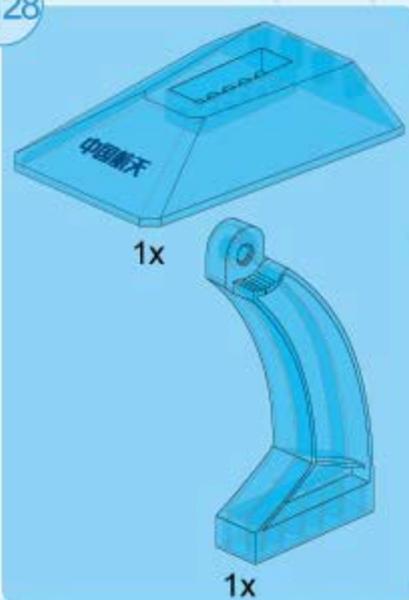
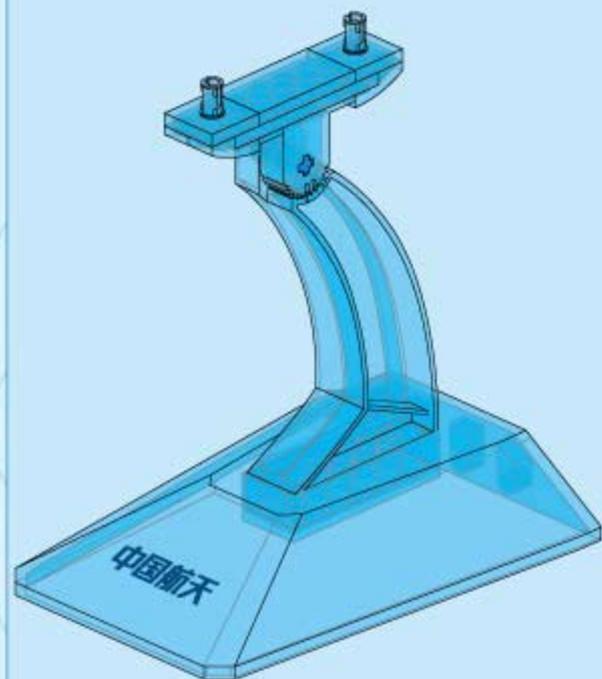
B126



B127



B128



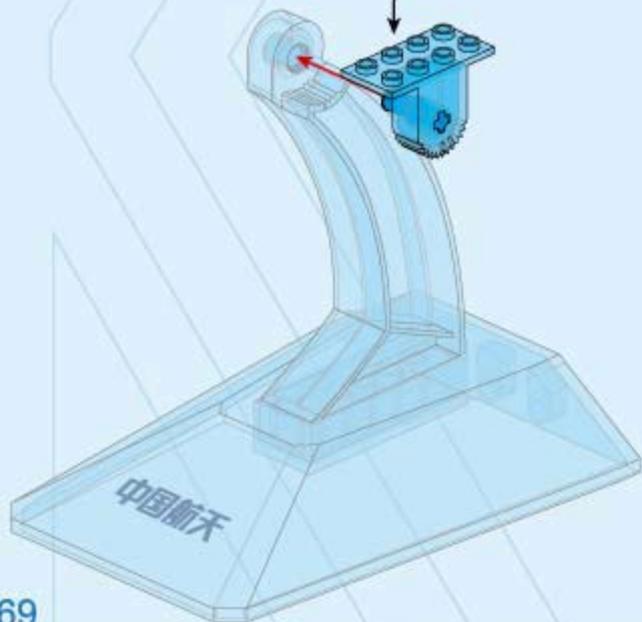
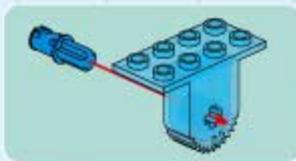
B129



1x



1x



B130



1x



1x

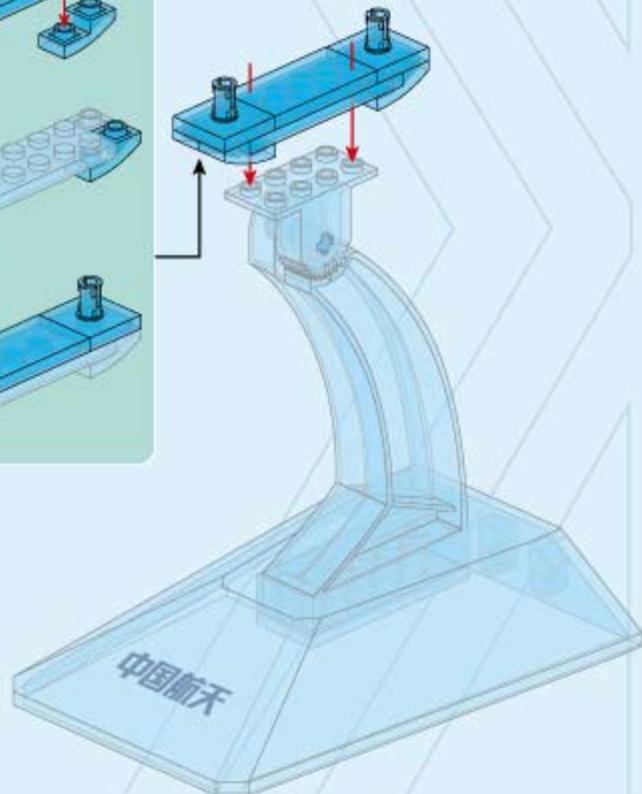
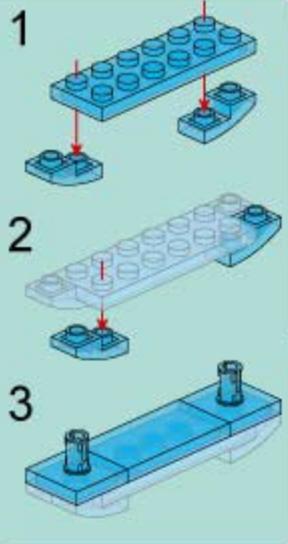
2x4



2x



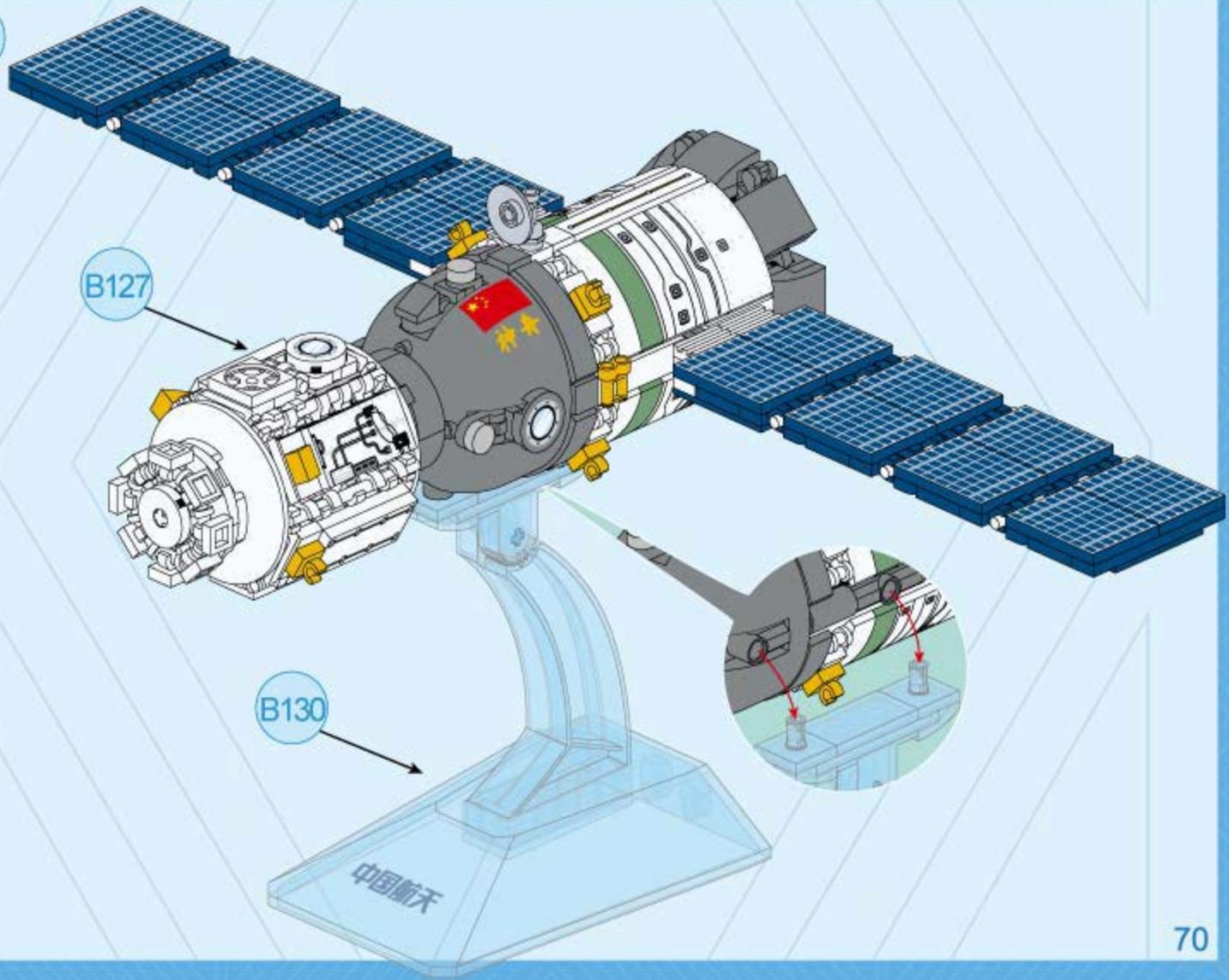
4x



B131

B127

B130





V1.0