

## The Mercury-Redstone Launch Set.

### Building Notes:

#### The Launchpad and Mercury-Redstone Rocket.

1. The long umbilical to the capsule and booster only rest against the sides of the rocket. It may be necessary to twist psitol at the end of the umbilical to make it sit centrally on the rocket.

#### The Gantry.

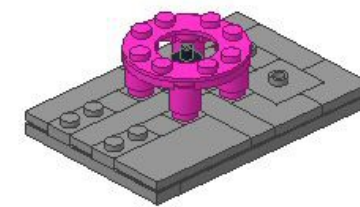
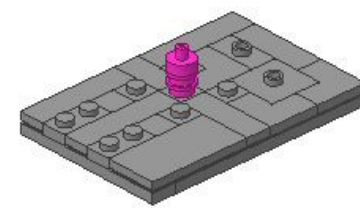
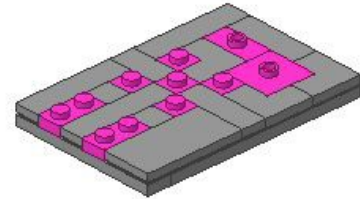
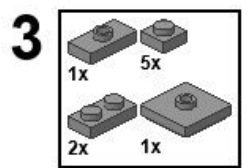
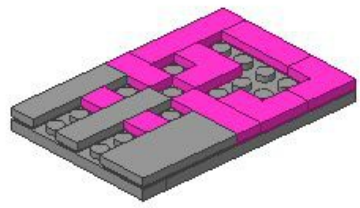
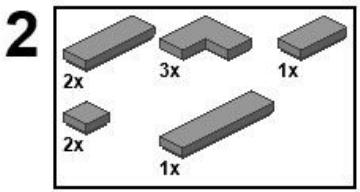
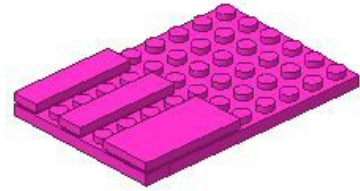
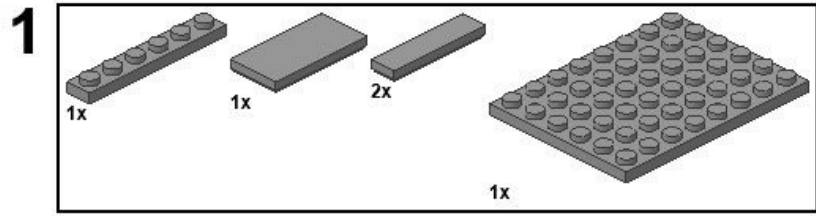
1. It is important that the fixed sections of each platform are aligned centrally on the axles between the A-Frame connections . The Connections also need to be evenly spaced from either side of the fixed platform. It is recommended that the attachment points are checked against the pins on the A-frame and adjusted before being snapped into position.
2. Do the above settings for platforms the two middle platforms before they are joined together. Once joined this gives you a four point connection to the A-Frame which stabilises the frame and stops any sideways movement. By folding the frame down you can check your alignment as the rear of the fixed platforms goes into the channel on the base of the gantry.
3. The studs on the back row of the platform goes under the 'gliding groove' (Lego's description in LDD) on the 2x8 piece on the fixed part of the platform, slide the platforms all the way in - they will stop in at the mid point. Make up the end stops from the 1x2 roof tiles and 1x2 angular plates and attach them to the ends of the fixed platform's 1x12 plates (the sub-sub assemblies when you built the fixed platforms). On the middle section you need to guide the end stops over the technic connectors to the A-frame before they can be clicked into place.

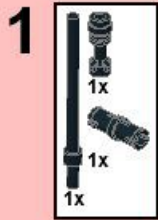
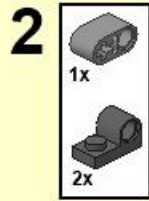
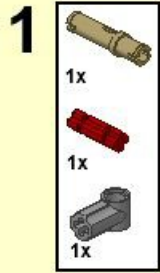
#### The Cherry Picker.

1. The hinge pieces need to be new and have a lot of friction to hold the long arm of the cherry picker with the cab at the capsule. Pushing what is possible with the connection to hold the arm at the capsule.

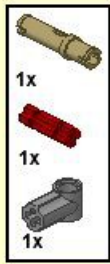
#### The Transfer Van

1. Fun fact: Only the astronaut had a seat in the van, the technicians had to stand. The vehicle was driven slowly to the pad and driver made announcements over an intercom to warn the people in the van when he was going to turn or brake so they could brace themselves.

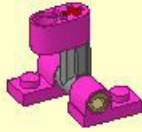
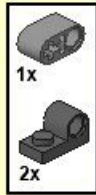




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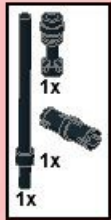
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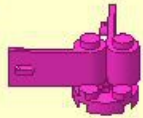
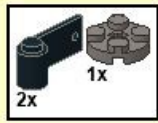
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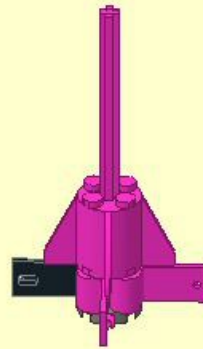
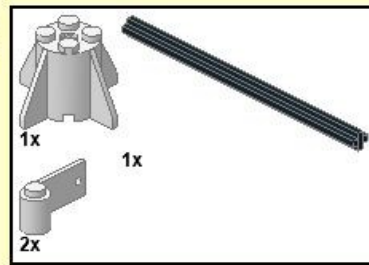
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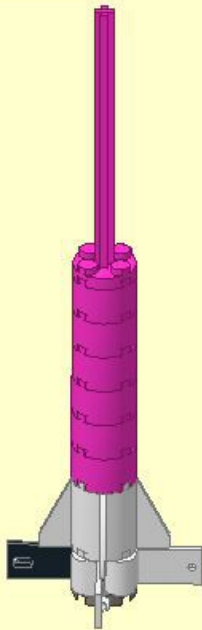
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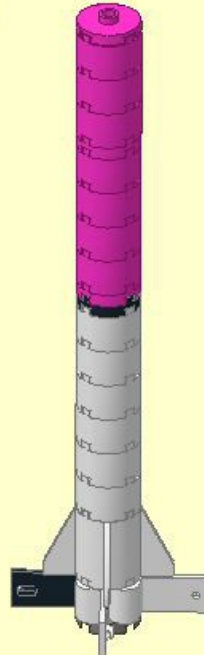
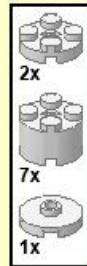
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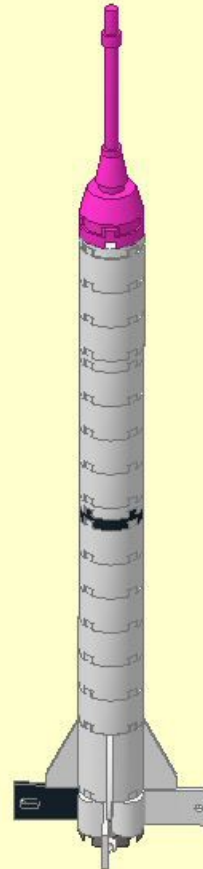
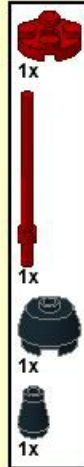
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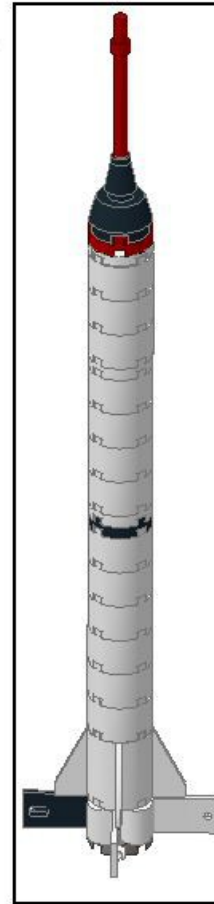
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5















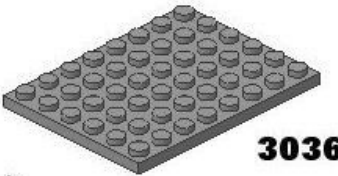
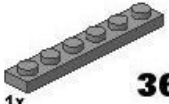





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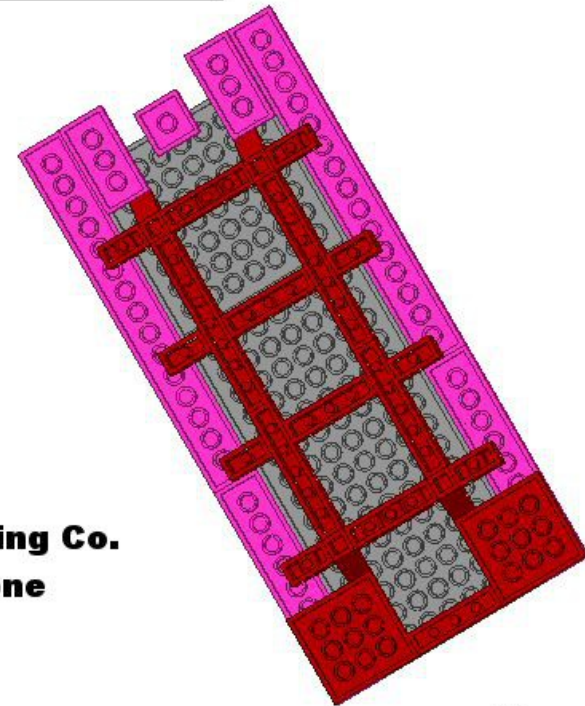
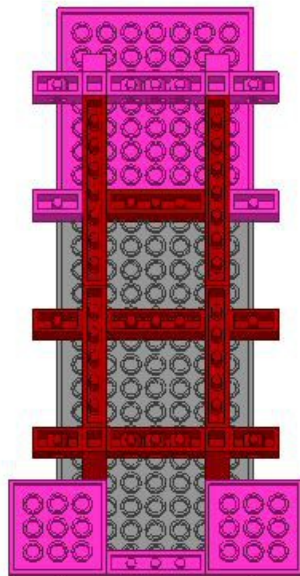
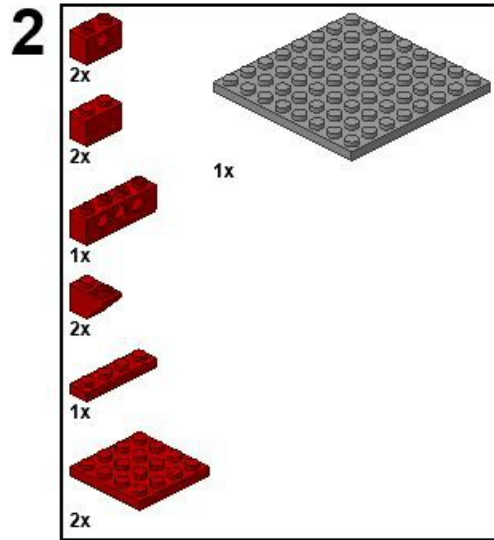
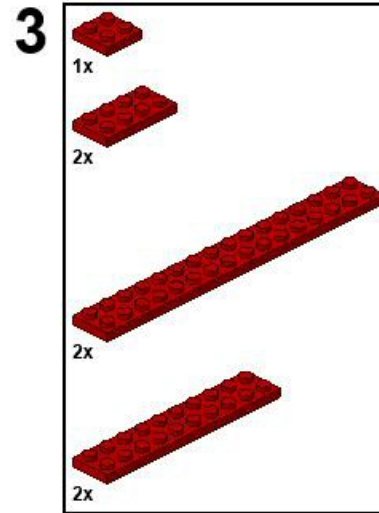
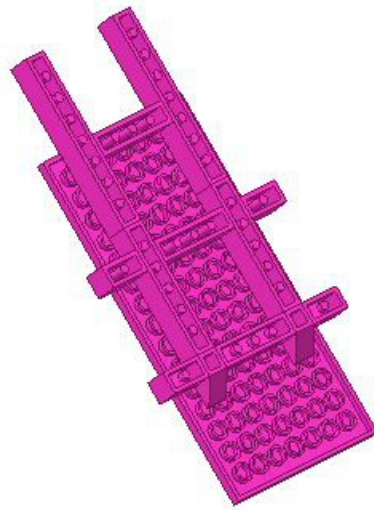
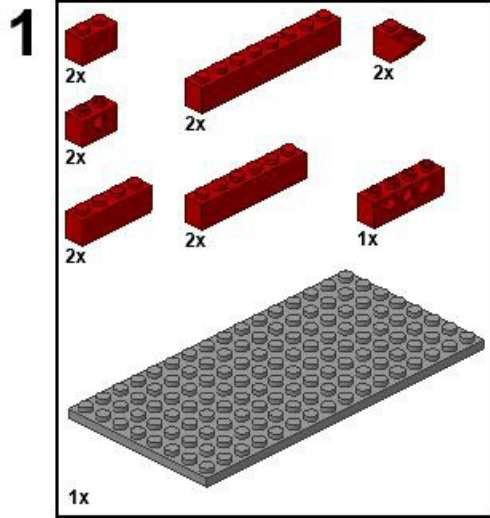


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-  **6143**  
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-  **3821**  
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-  **32556**  
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-  **63965**  
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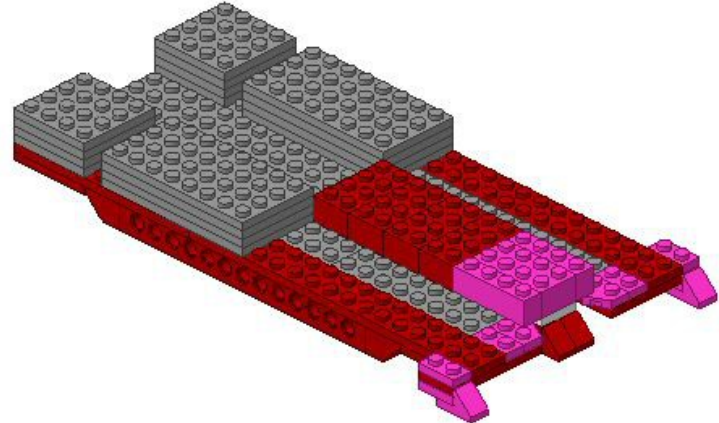
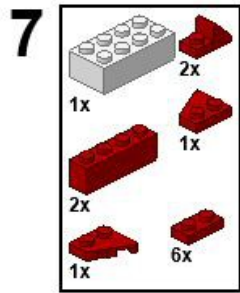
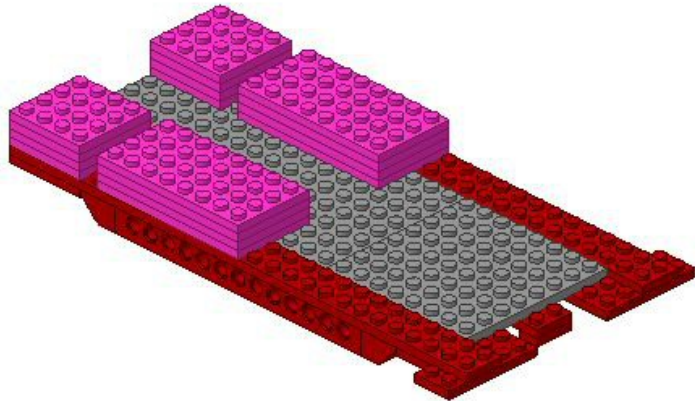
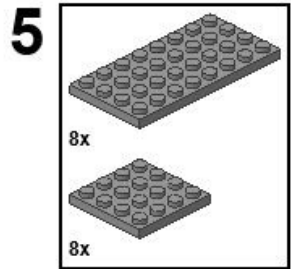
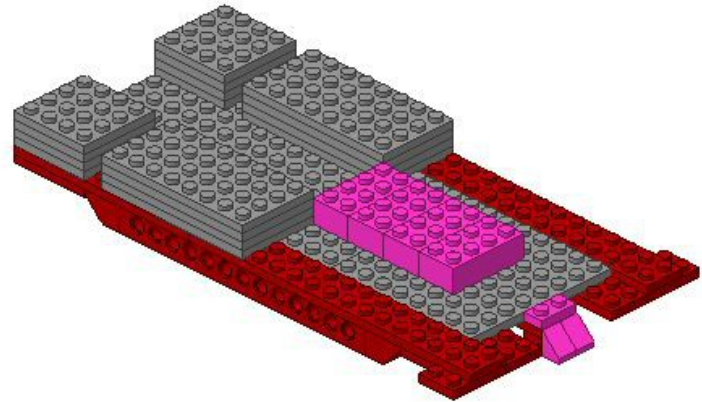
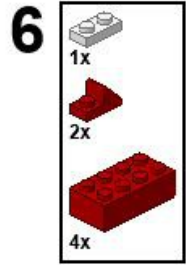
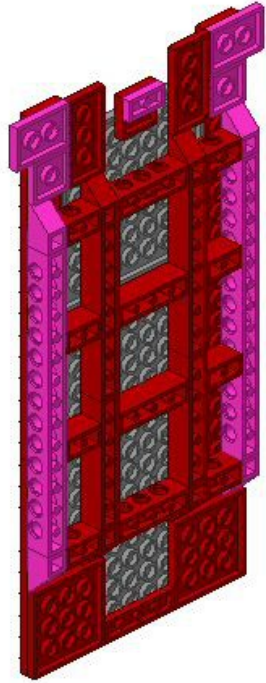
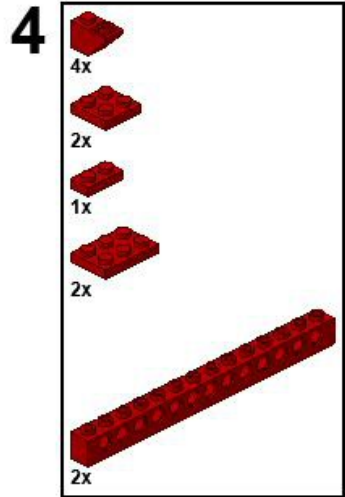
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-  **23306**  
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-  **6141**  
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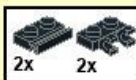
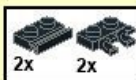

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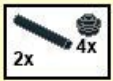
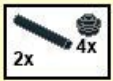
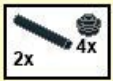
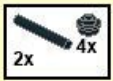


**Noble Engineering Co.  
Mercury-Redstone  
Gantry  
by  
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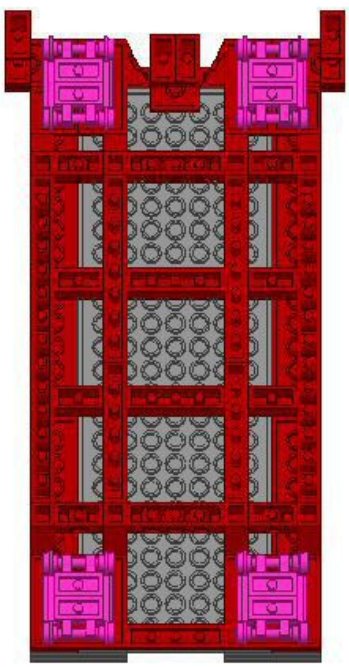


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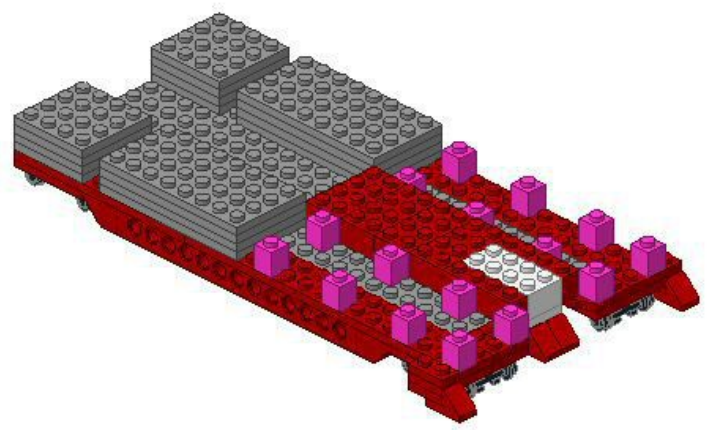
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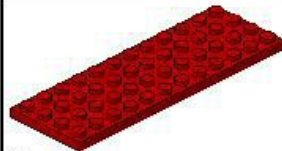
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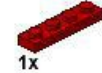



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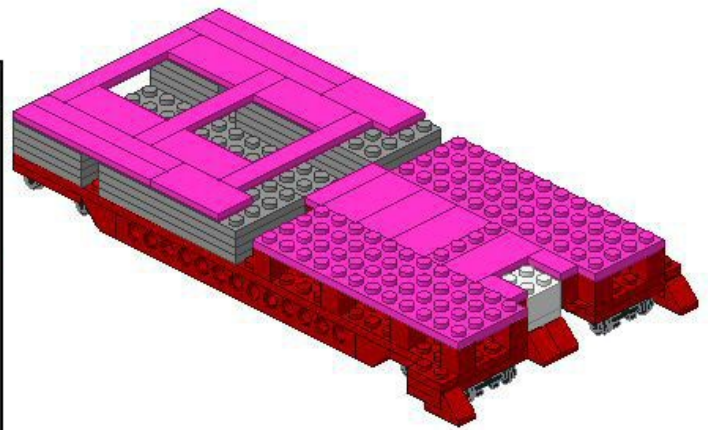
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 1x


 1x


 2x


 10x





**11**


 3x


 2x


 1x


 2x

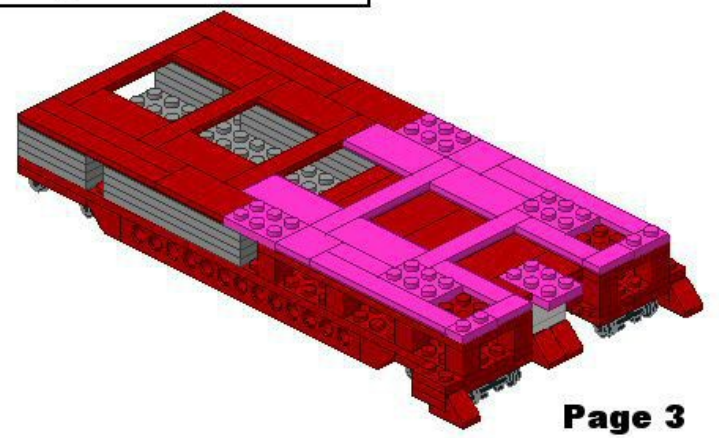
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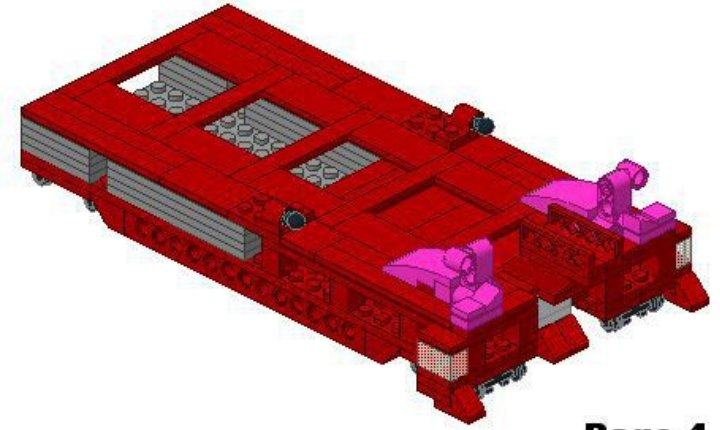
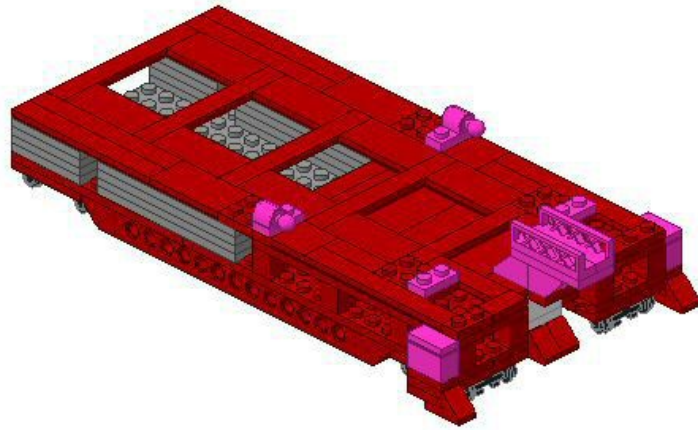
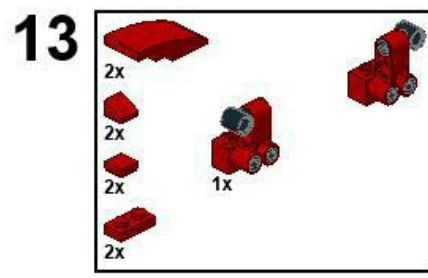
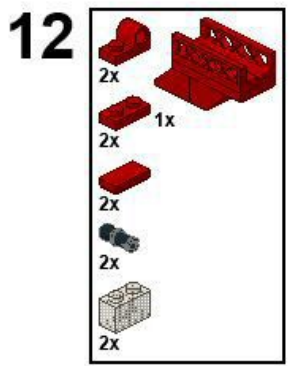
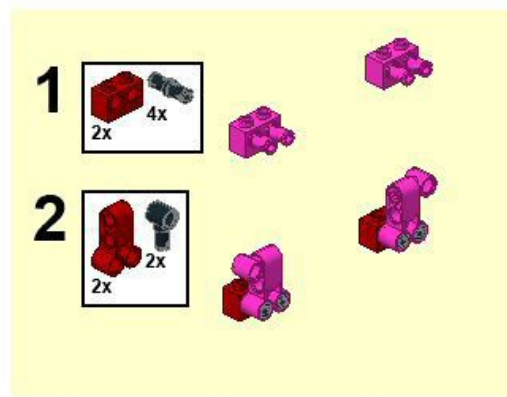
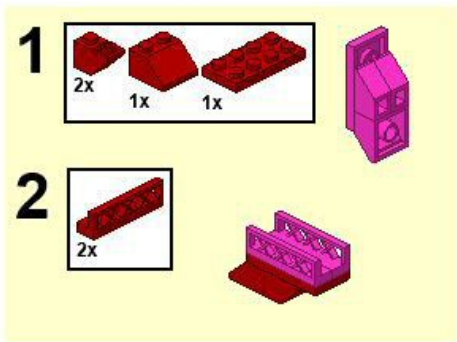
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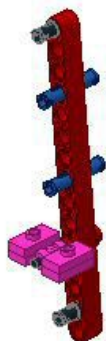
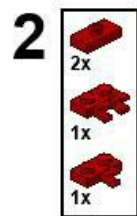
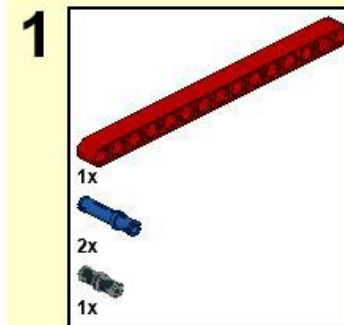
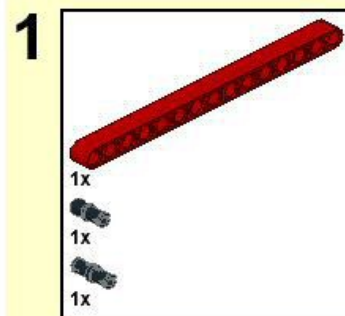
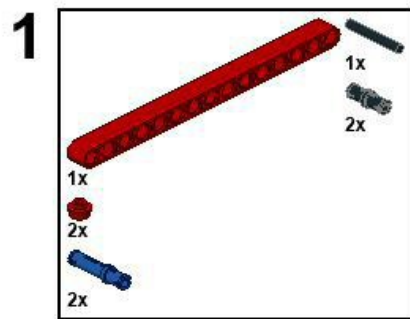
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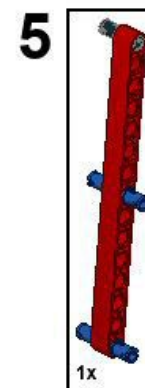
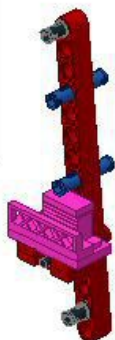
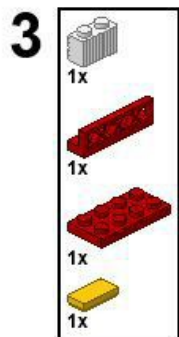
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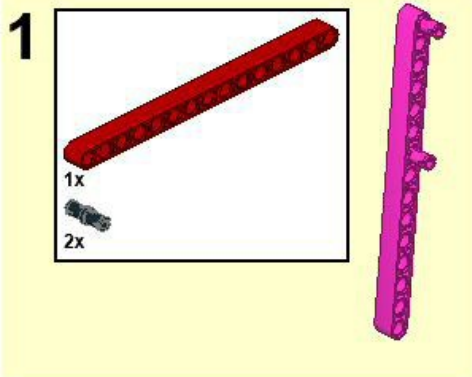




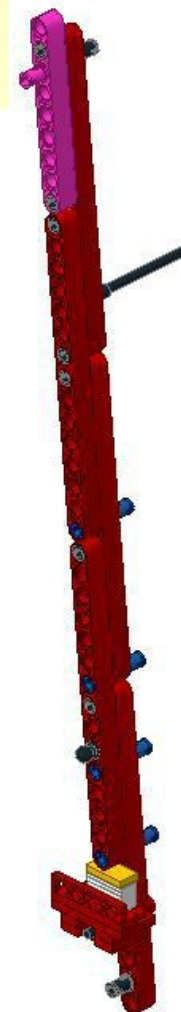
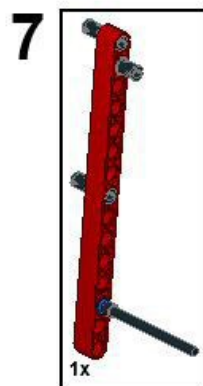
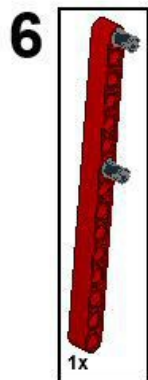
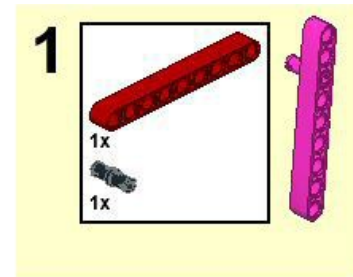
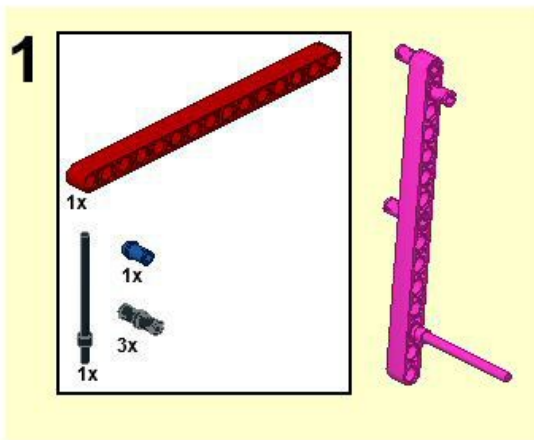


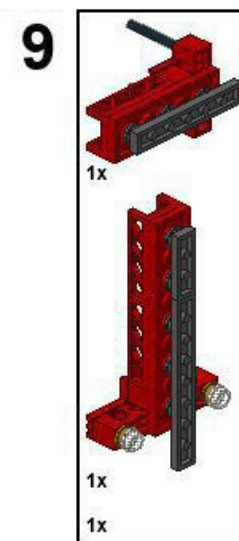
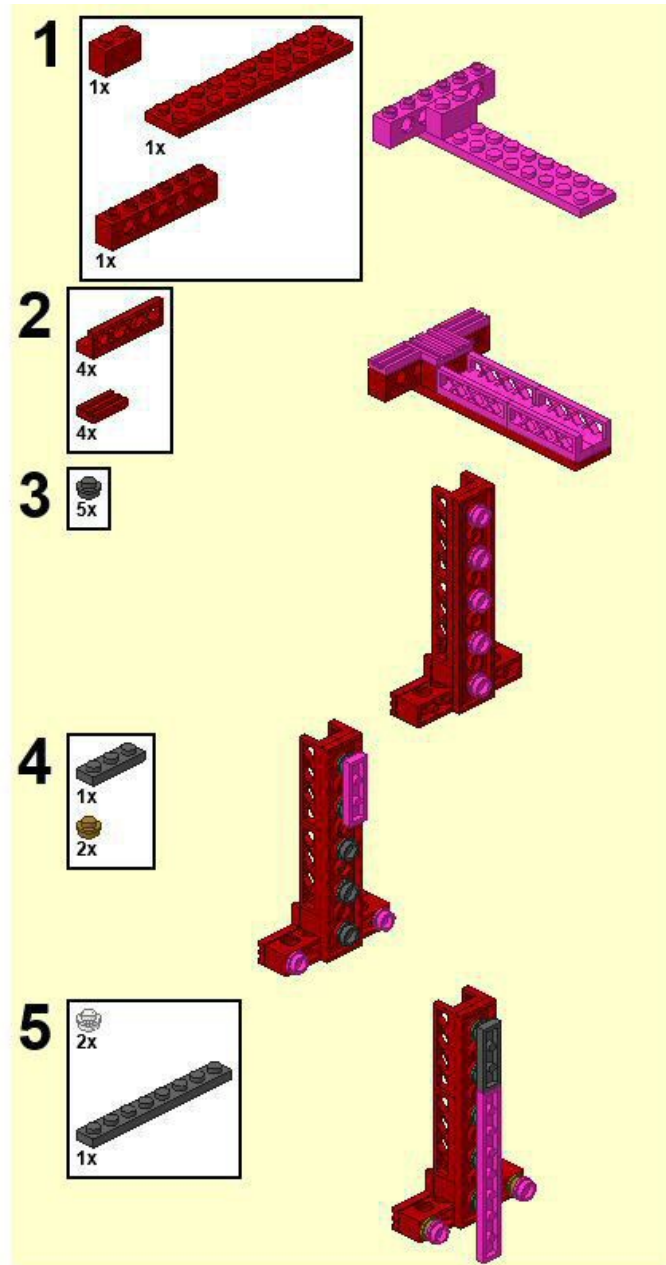
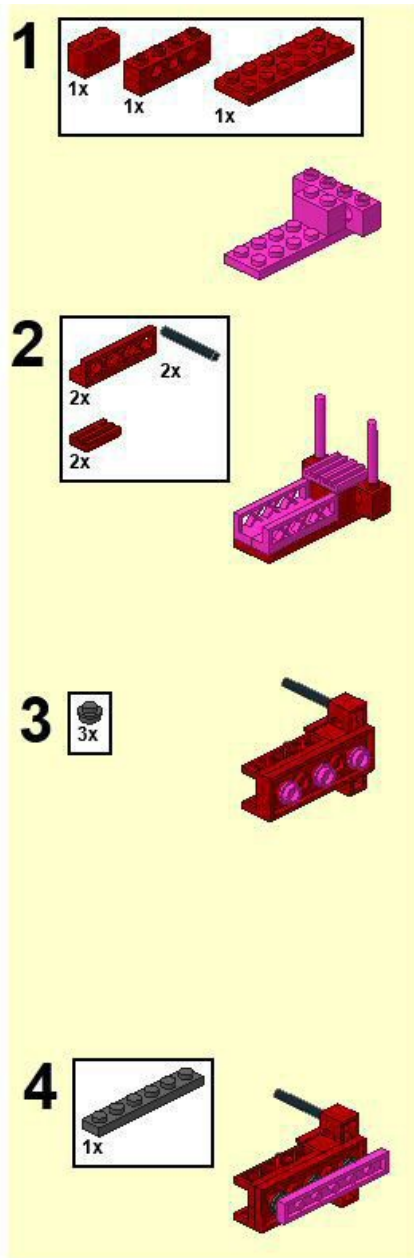
**Make 2 A-Frame Arms**



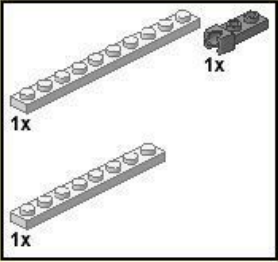


**Make 2 A-Frame Arms**



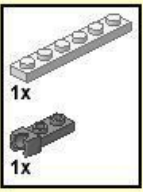


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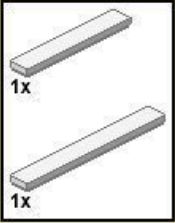
1x  
1x  
1x

**2**



1x  
1x  
1x

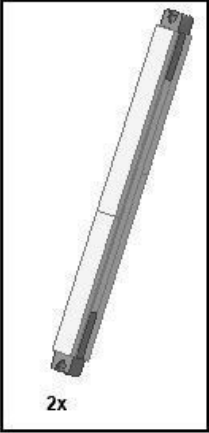
**3**



1x  
1x  
1x

**Make 2**

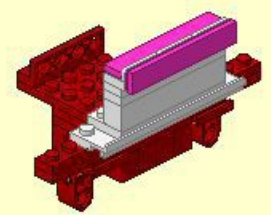
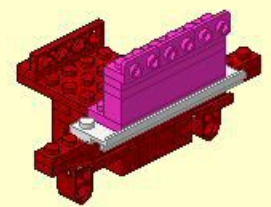
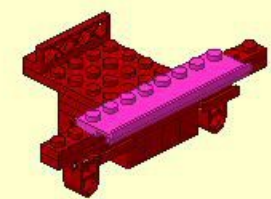
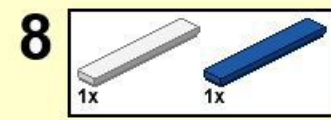
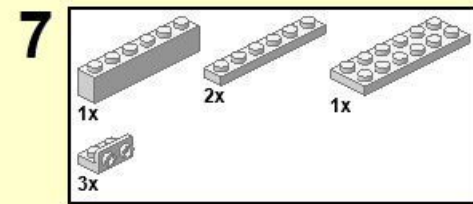
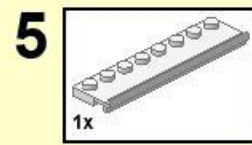
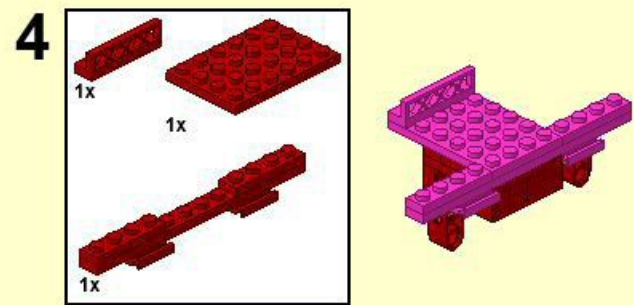
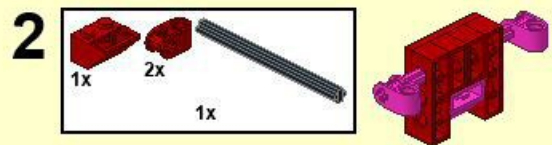
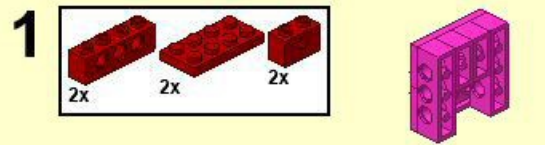
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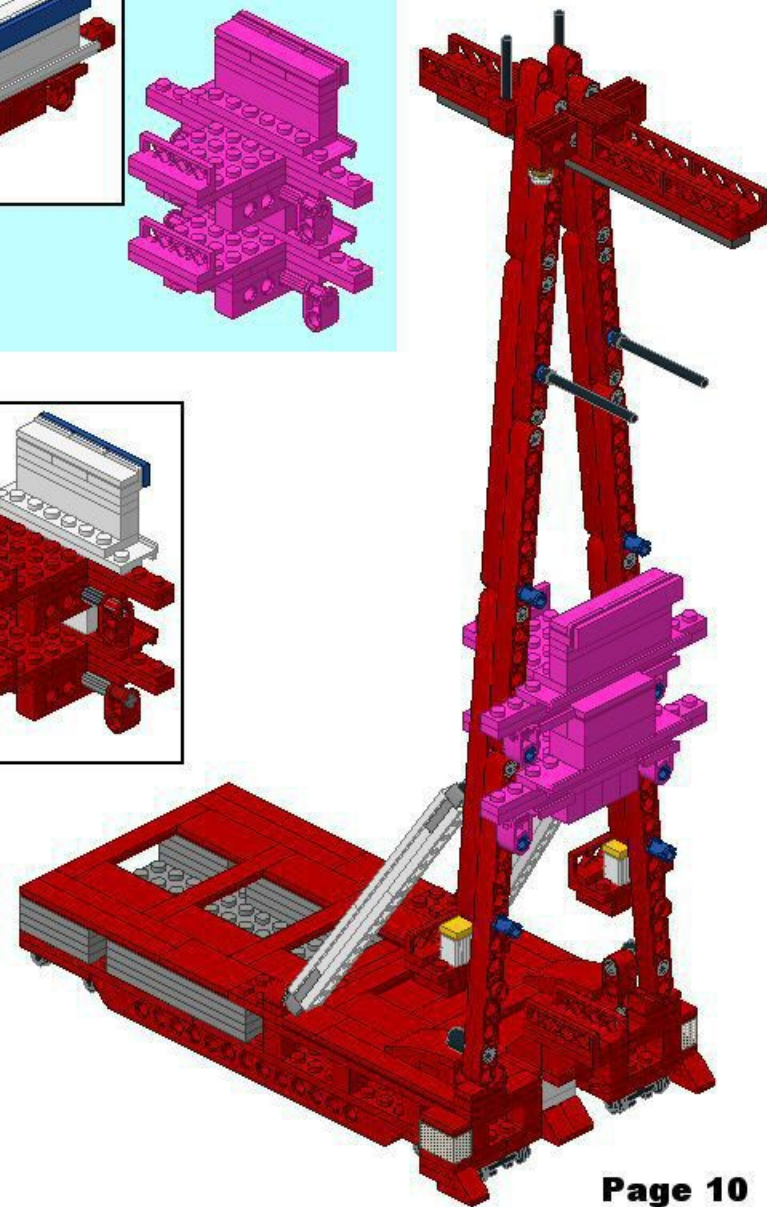
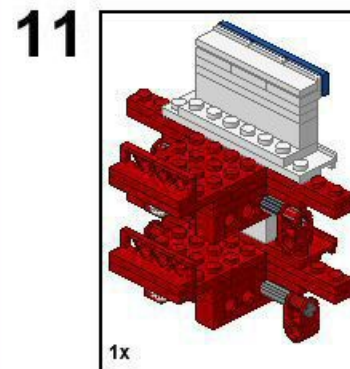
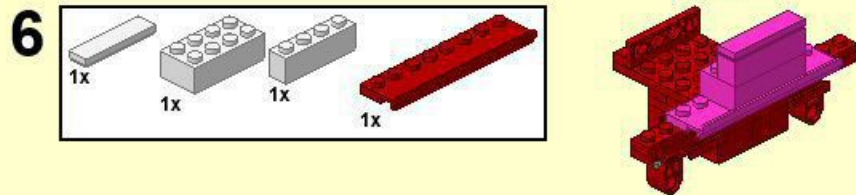
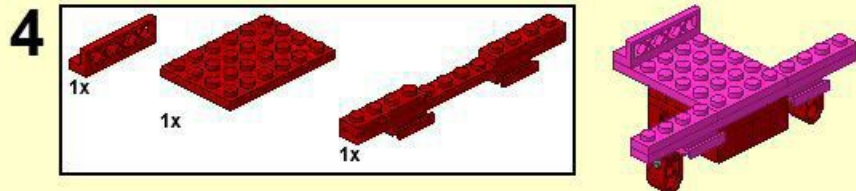
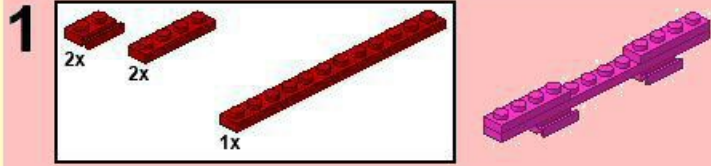
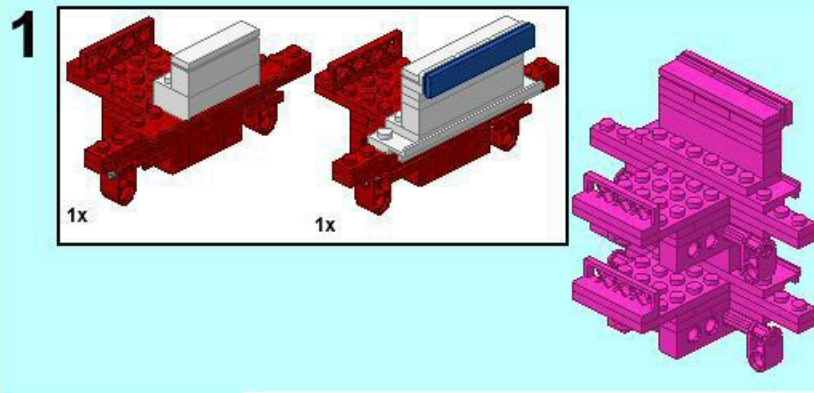
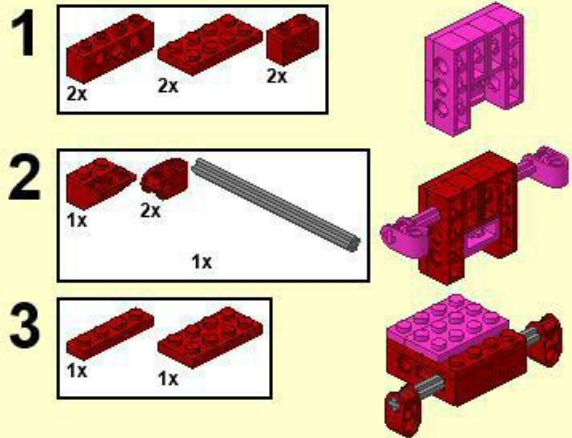


2x

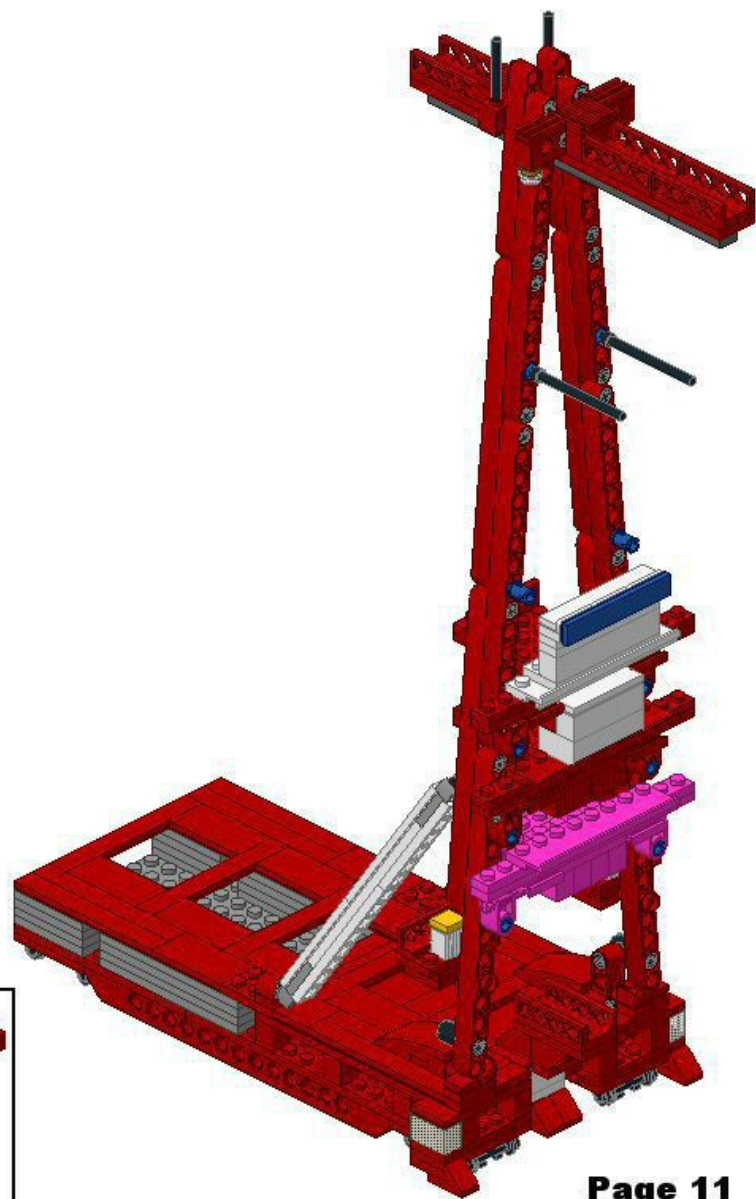
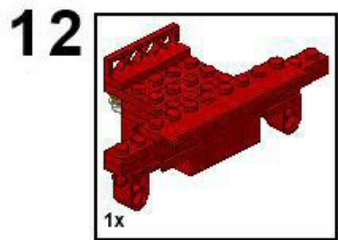
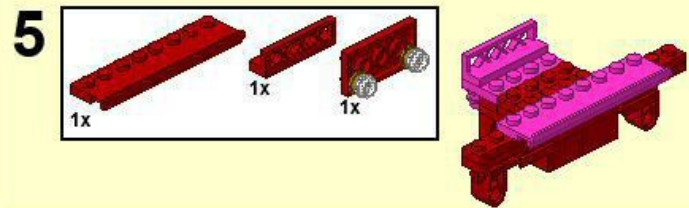
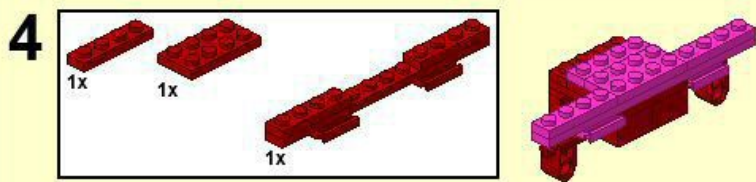
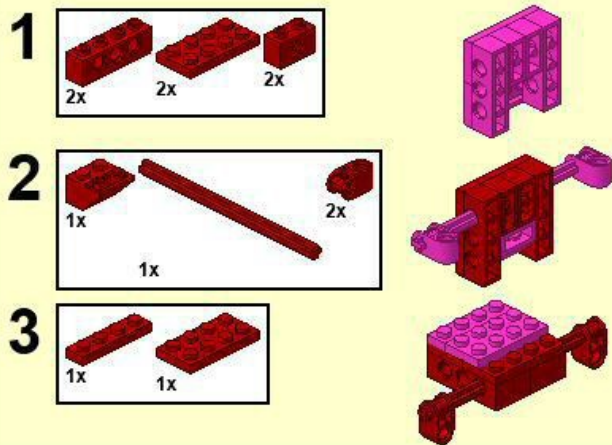
**Adjust the two short platforms  
so they are level with the base**

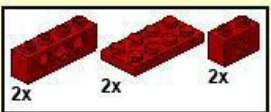



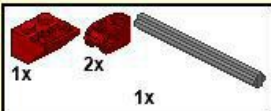
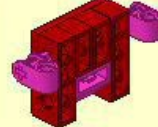


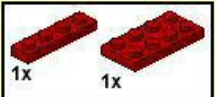



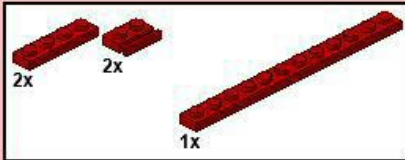
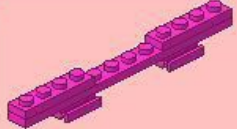


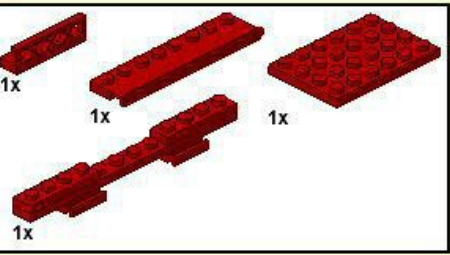
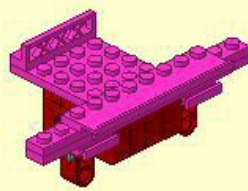


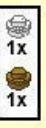

**1**  

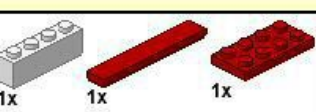
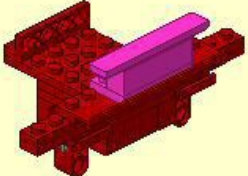
**2**  

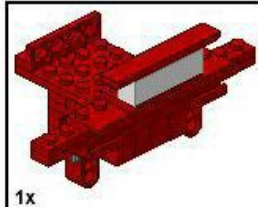
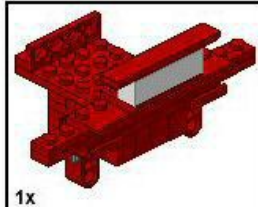
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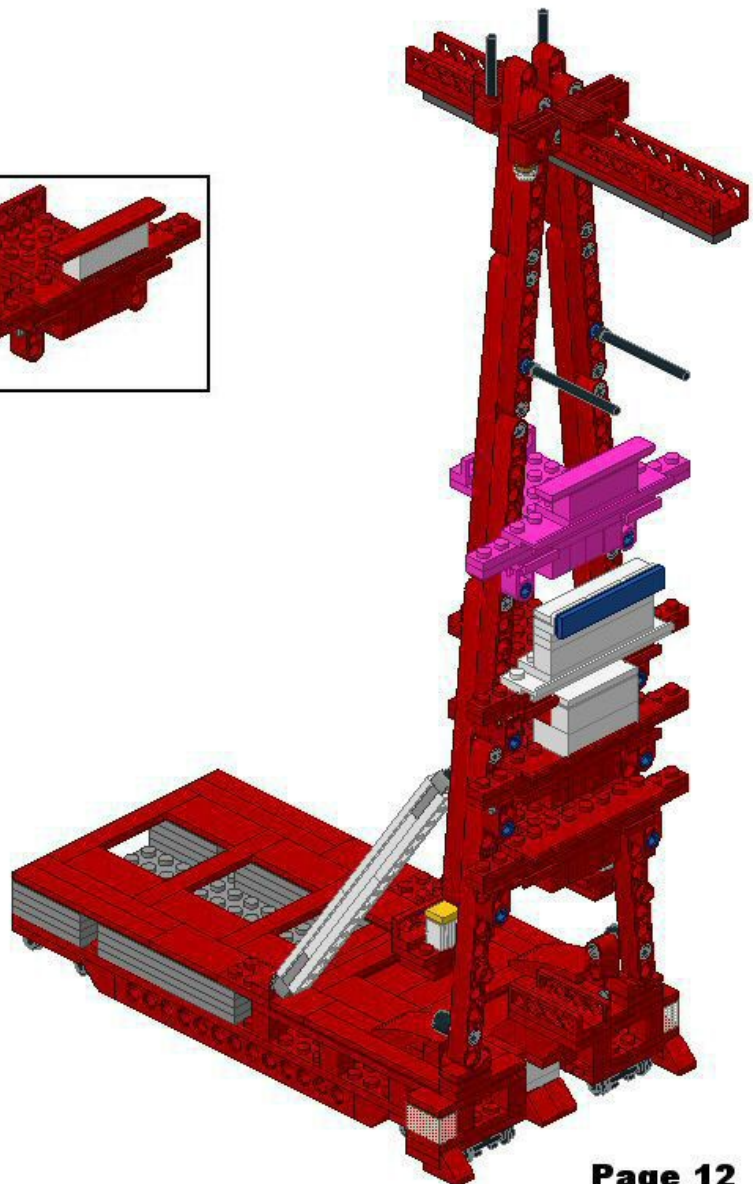
**1**  

**4**  

**5**  

**6**  

**13**  



**1**

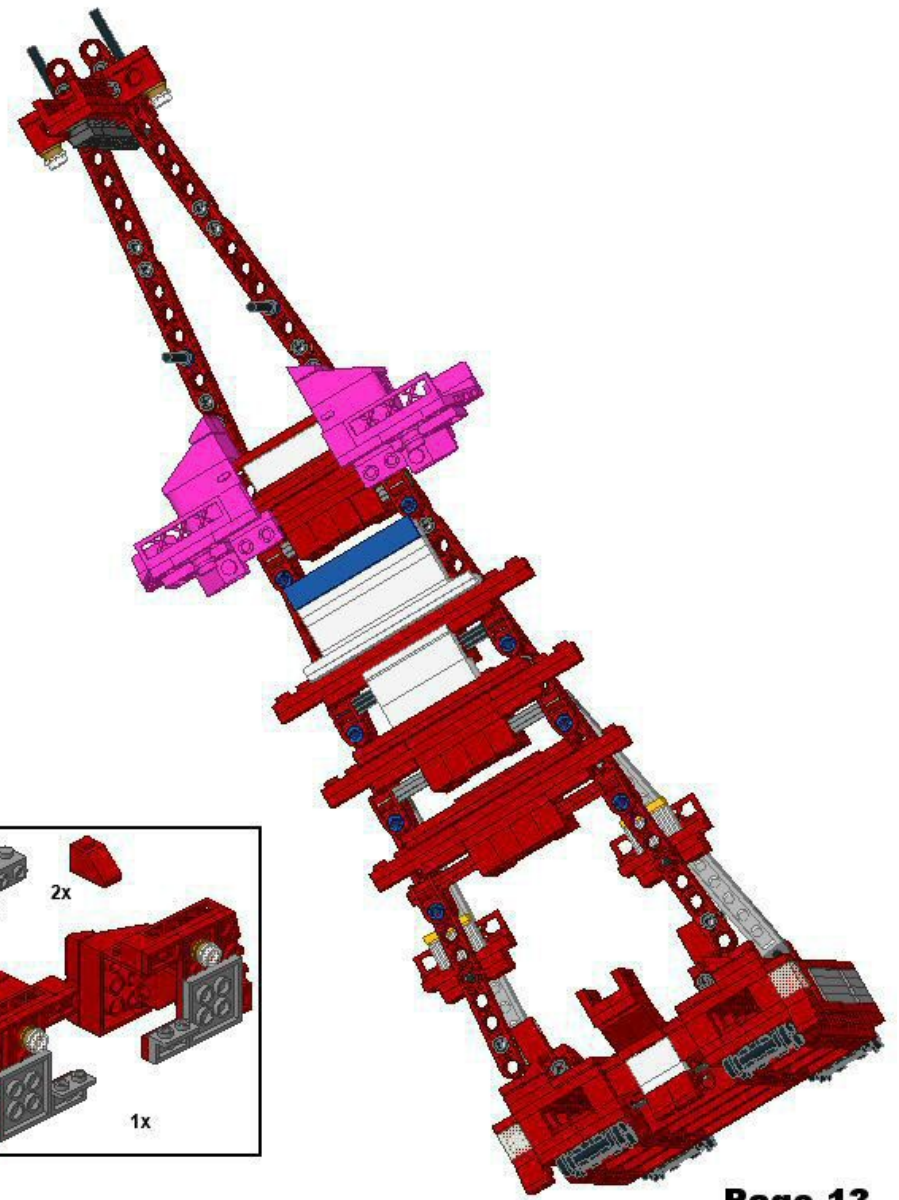
**2**

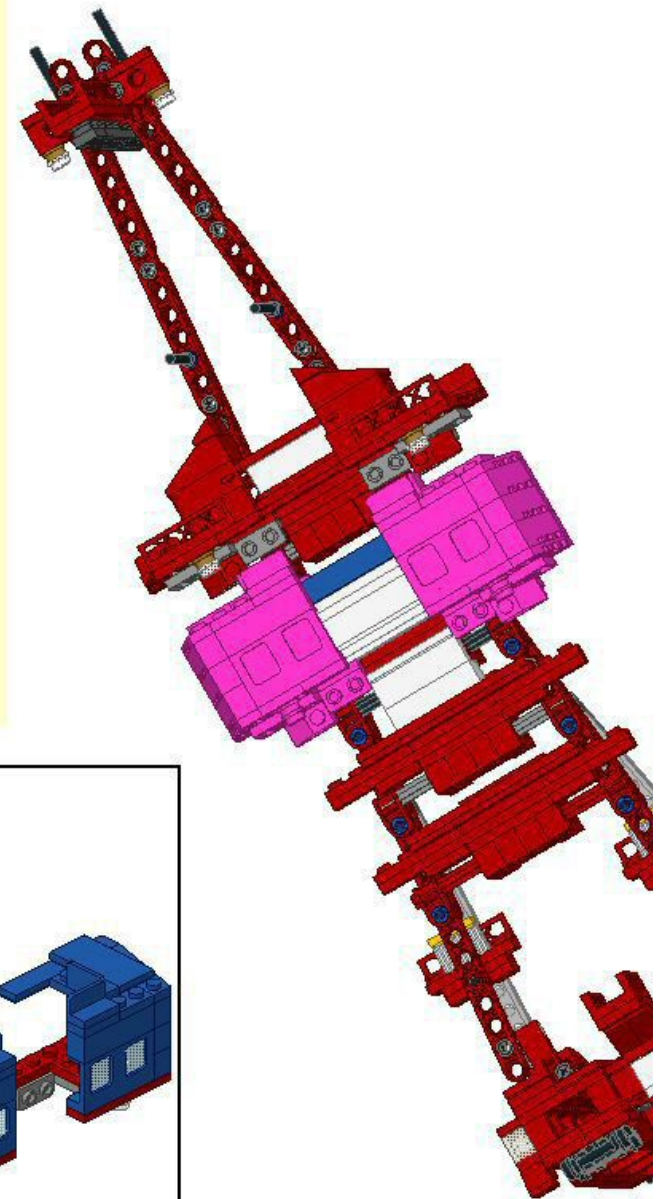
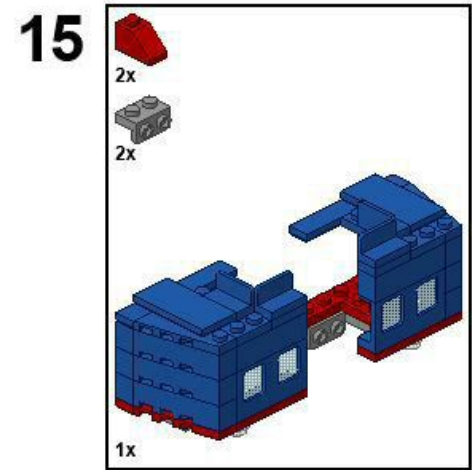
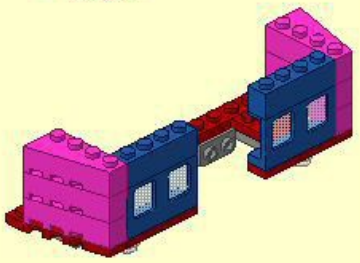
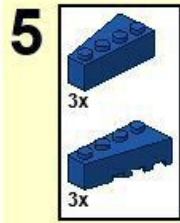
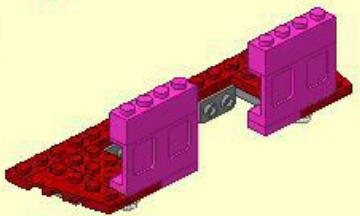
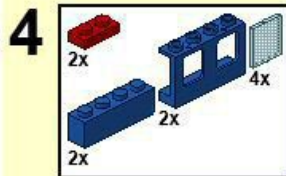
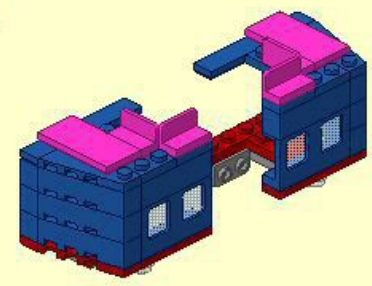
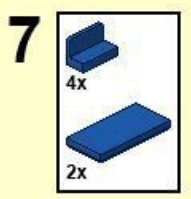
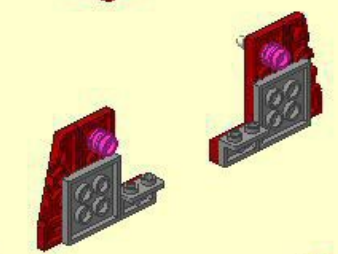
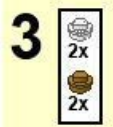
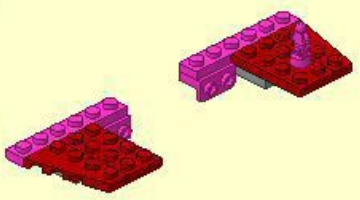
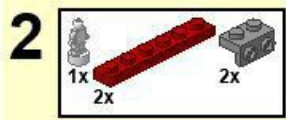
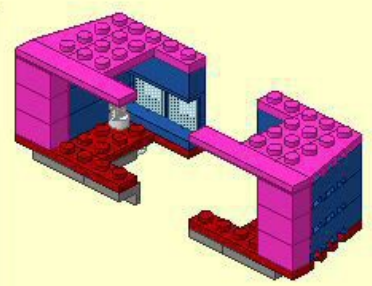
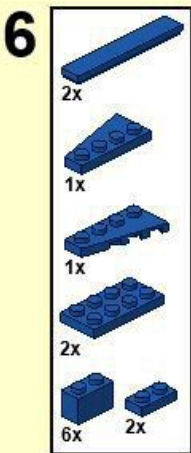
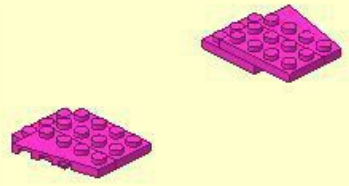
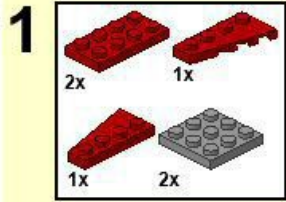
**3**

**4**

**5**

**14**





**1**

2x 1x 1x 2x

**2**

2x 2x

**3**

2x 2x

**4**

2x 2x

**5**

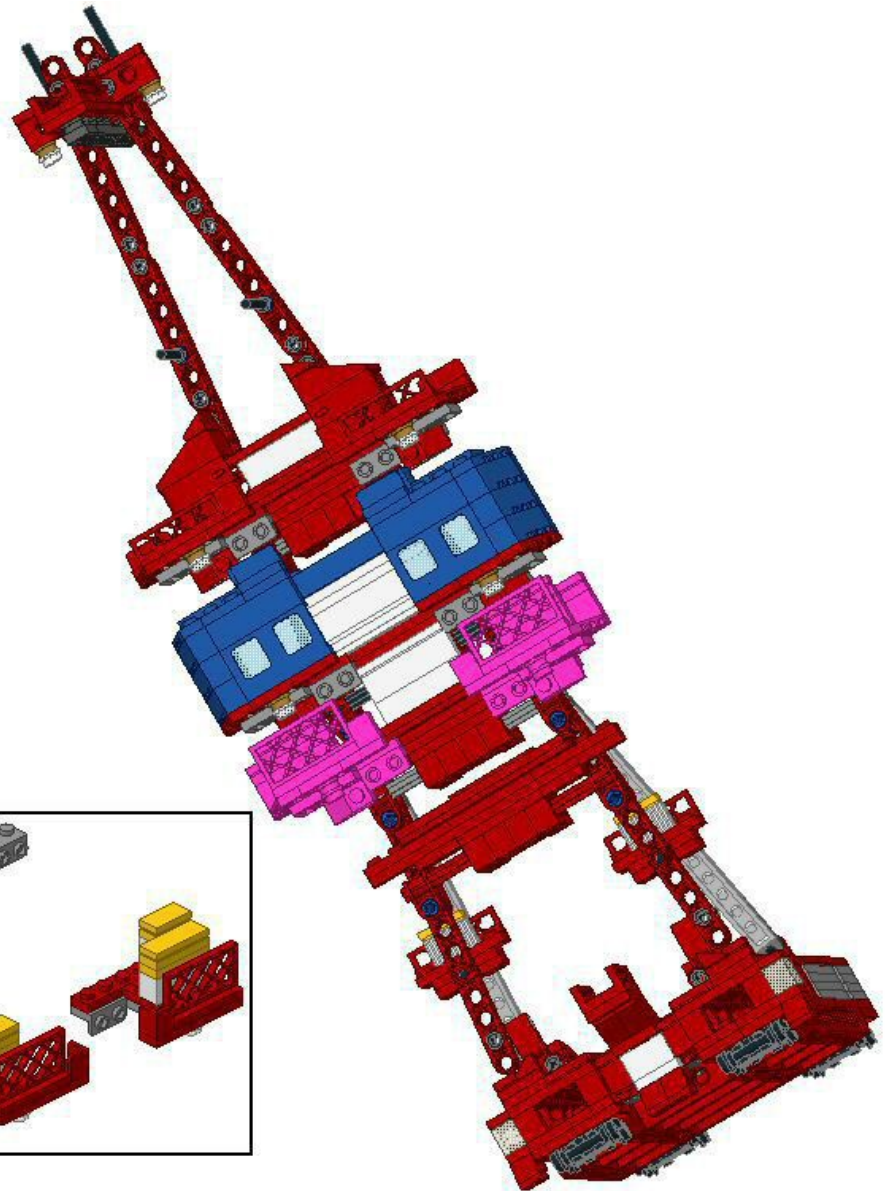
4x 2x 2x 2x

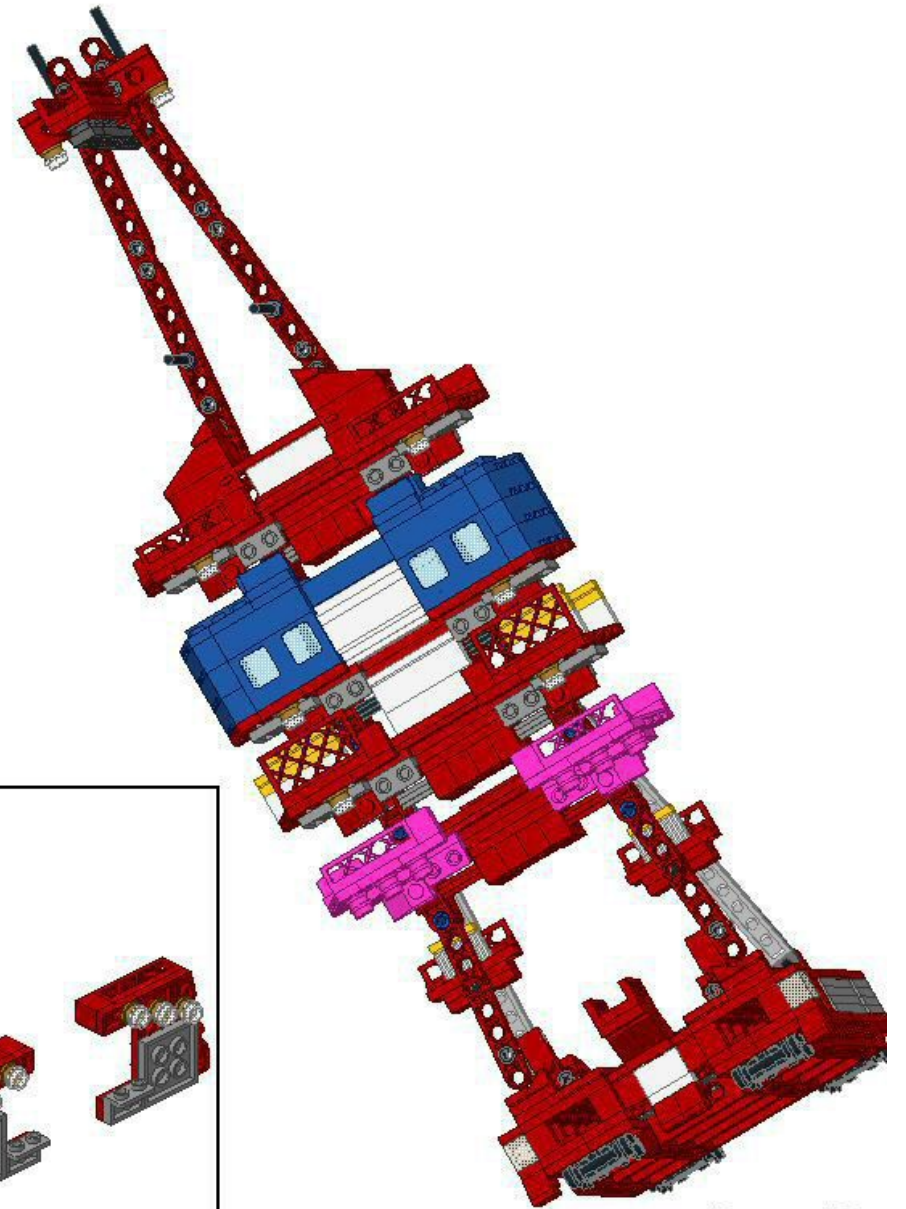
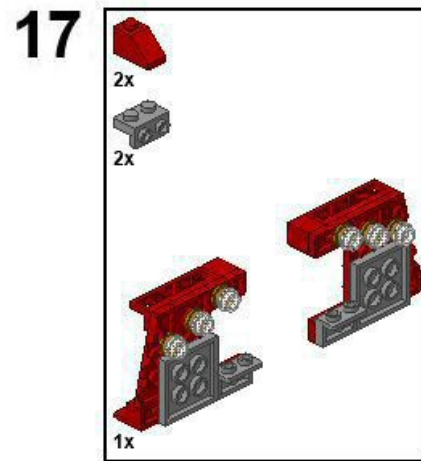
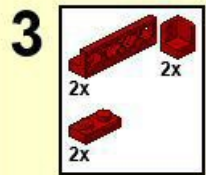
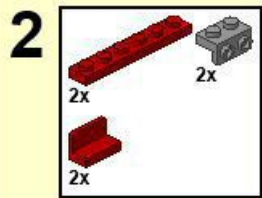
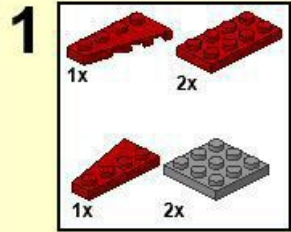
**6**

2x 2x 2x

**16**

2x 2x 1x





- 1x 3009
- 2x 2877
- 2x 3001
- 1x \*90398
- 1x 3795
- 3x 99780
- 2x 3622
- 2x 3010
- 1x 30586
- 1x 2431
- 4x 3666
- 2x 3460

- 2x 4162
- 1x 3023
- 3x 6636
- 2x 3004
- 2x 4477
- 11x 3701
- 4x 3660
- 2x 32018
- 4x 3010
- 2x 3008
- 2x 3297

- 15x 3710
- 3x 2431
- 4x 92946
- 2x 3009
- 8x 32028
- 4x 85861
- 4x 3001
- 1x 24299
- 4x 3794
- 2x 63864
- 2x 60470
- 2x 3068
- 2x 32557
- 2x 24307
- 8x 6536

- 2x 6636
- 14x 87079
- 2x 11458
- 2x 4283
- 6x 6231
- 1x 3737
- 1x 3894
- 1x 3795
- 6x 3069
- 4x 60479

- 10x 32278
- 2x 3070
- 2x 11476
- 2x 3185
- 28x 3020
- 2x 3821
- 3x 30586
- 8x 32064
- 2x 3029
- 12x 3665
- 2x 3822
- 16x 3005

**\*White Astronaut or Silver Trophy Figure**

- 7x **3021**
- 8x **3666**
- 2x **93606**
- 2x **50746**
- 1x **3039**
- 18x **3185**
- 3x **3022**
- 4x **85984**
- 10x **4162**
- 4x **32000**
- 3x **3832**
- 2x **3031**
- 4x **41769**
- 6x **3004**

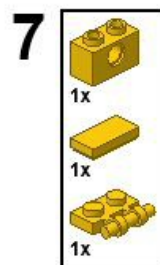
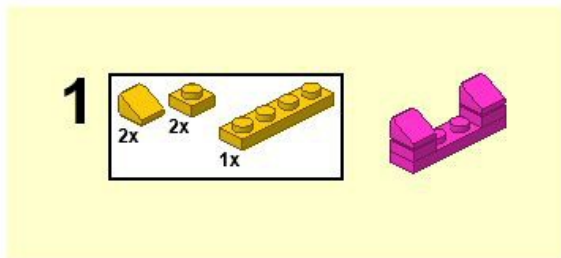
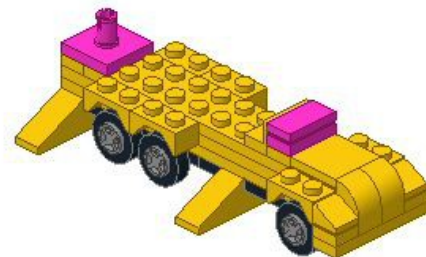
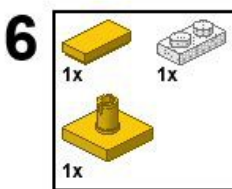
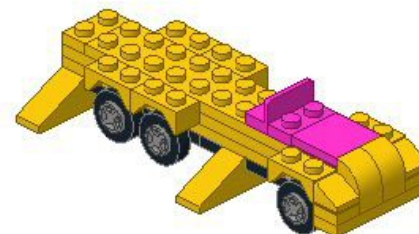
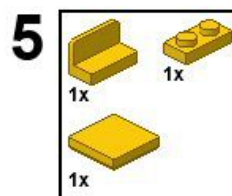
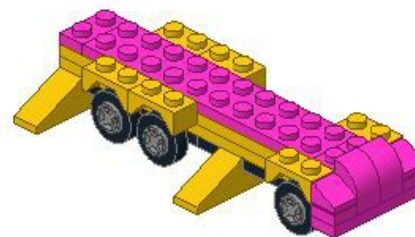
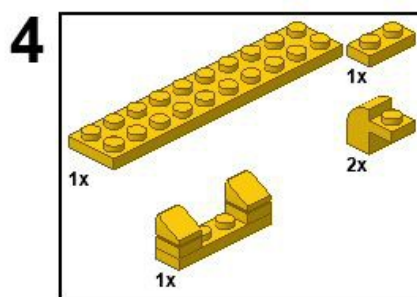
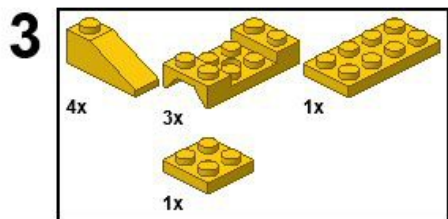
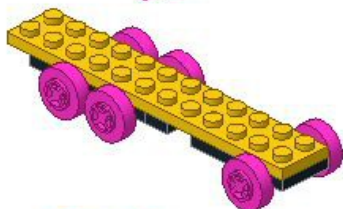
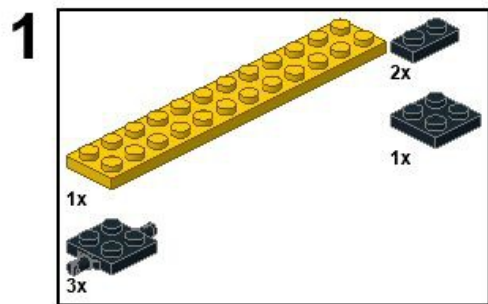
- 4x **3700**
- 8x **3040**
- 21x **3023**
- 6x **2412**
- 4x **4865**
- 2x **40490**
- 4x **41770**
- 3x **3032**
- 2x **61345**
- 2x **4274**
- 6x **3004**
- 3x **41767**
- 2x **3020**
- 3x **6636**

- 2x **87079**
- 3x **41768**
- 2x **3010**
- 1x **41769**
- 2x **3023**
- 4x **4865**
- 8x **6558**
- 1x **41770**
- 2x **63864**
- 4x **3623**
- 4x **3069**
- 2x **3023**
- 8x **32028**
- 16x **85861**
- 2x **15100**
- 4x **6628**

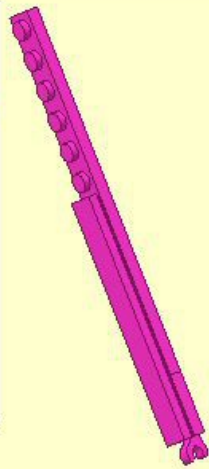
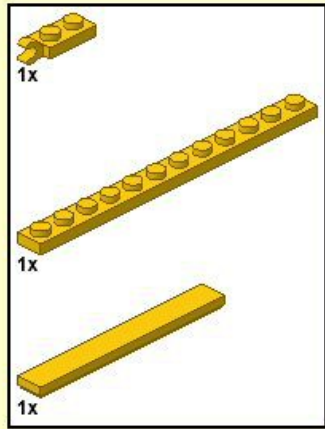
- 8x **60470**
- 24x **2780**
- 2x **63965**
- 1x **3707**
- 12x **87994**
- 19x **6141**
- 4x **60601**
- 2x **3004**
- 8x **3035**
- 1x **92438**

- 8x **11212**
- 16x **99781**
- 4x **14418**
- 8x **3031**
- 1x **41539**
- 1x **60485**
- 1x **44294**
- 8x **6141**
- 1x **3666**
- 1x **3460**
- 19x **6141**

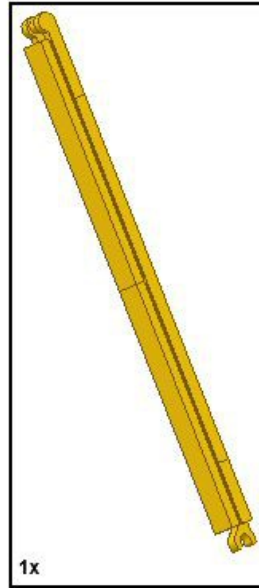




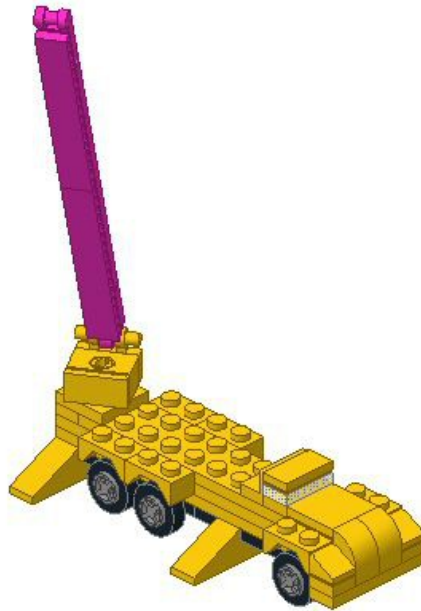
1



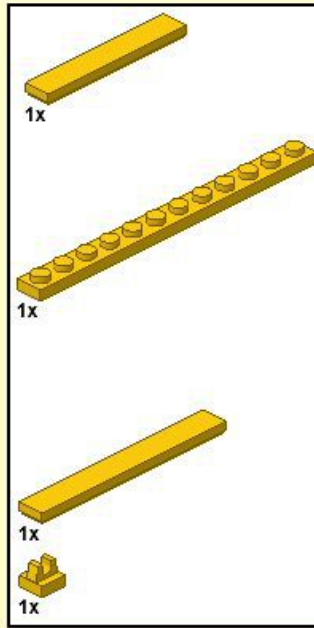
8



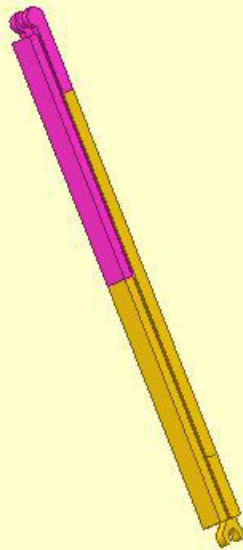
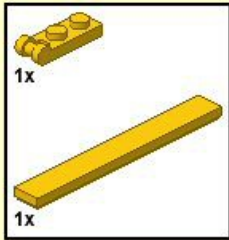
1x



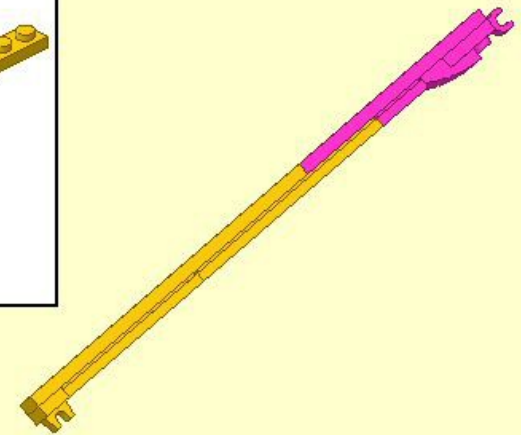
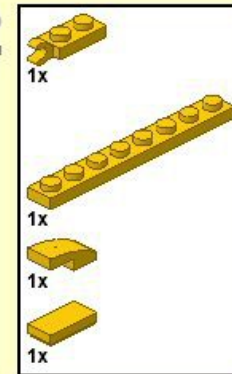
1



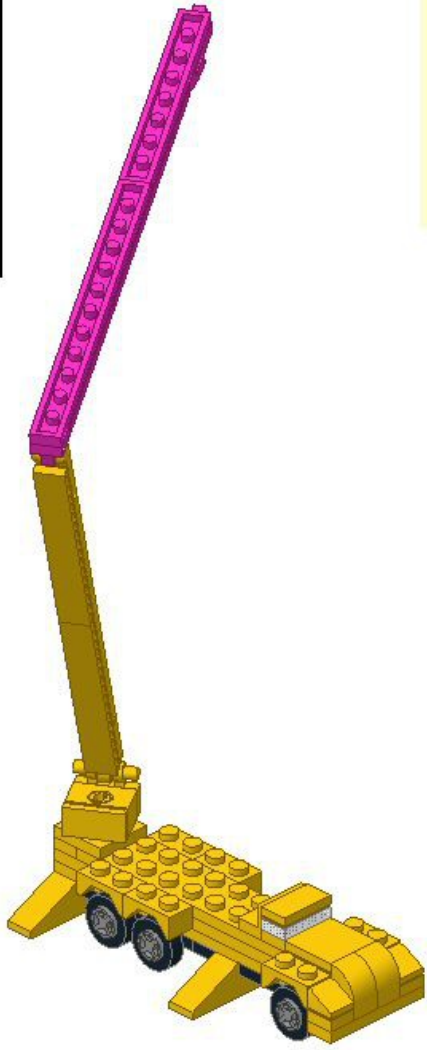
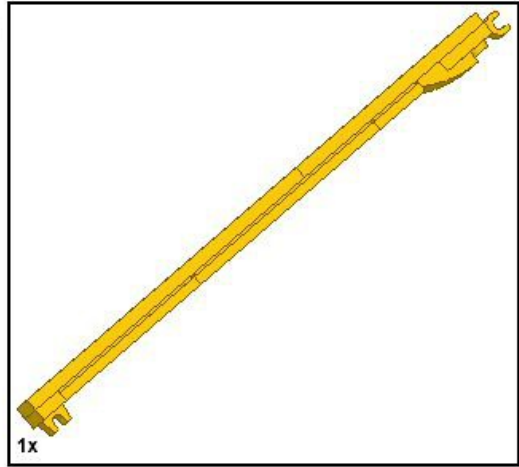
2



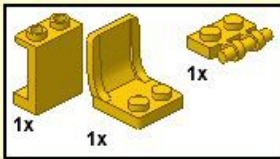
2



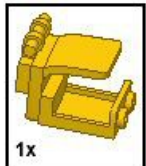
9



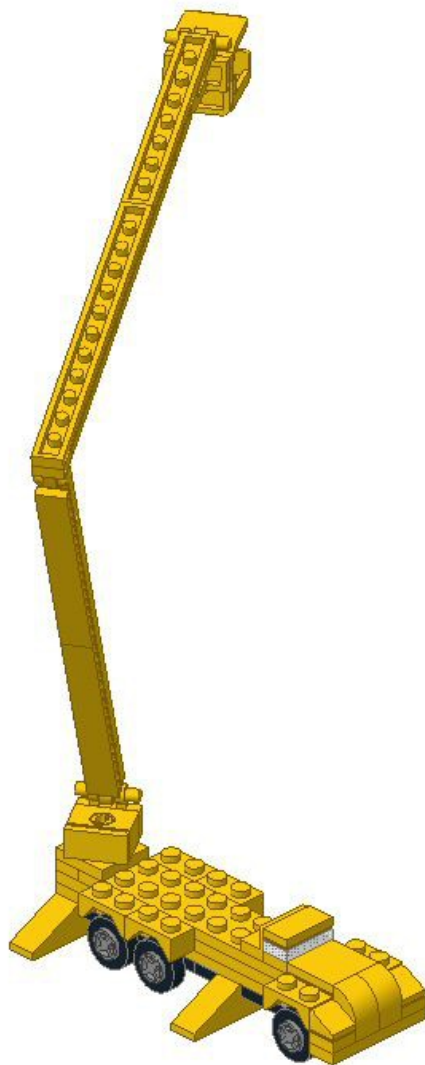
1



10



11



 **63868**  
2x

 **50746**  
2x

 **60478**  
1x

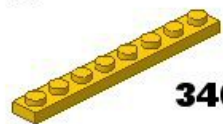
 **3069**  
3x

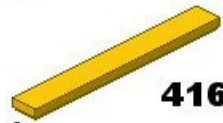
 **4079**  
1x

 **3024**  
2x

 **3022**  
1x

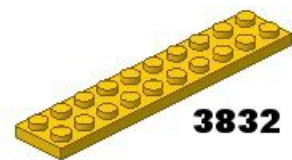
 **3020**  
1x

 **3460**  
1x

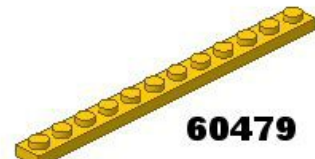
 **4162**  
3x

 **4286**  
4x

 **3710**  
1x

 **3832**  
1x


 **3700**  
1x

 **60479**  
2x

 **3068**  
1x

 **11477**  
1x

 **3023**  
2x

 **2445**  
1x

 **2540**  
2x

 **6091**  
2x

 **87552**  
1x

 **6636**  
1x

 **4865**  
1x

 **60212**  
3x

 **2555**  
1x

 **2460**  
1x

 **3022**  
1x

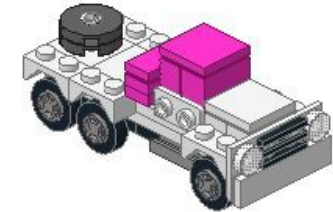
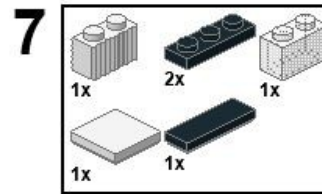
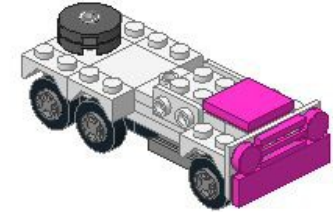
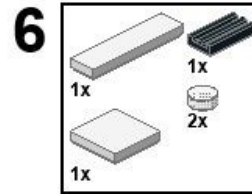
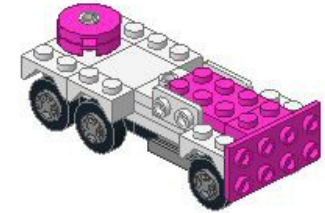
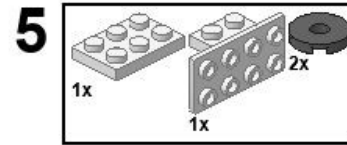
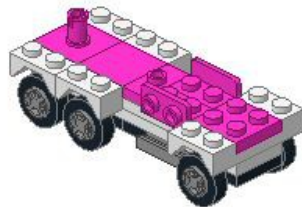
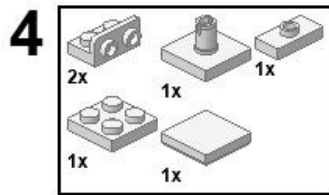
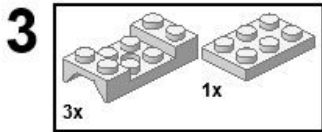
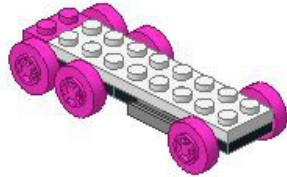
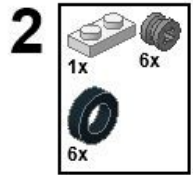
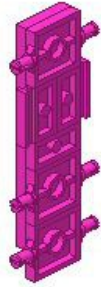
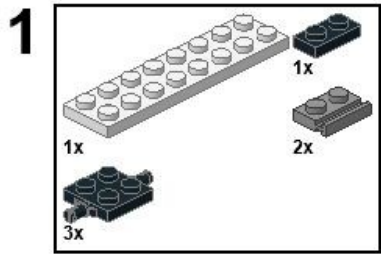
 **4600**  
3x

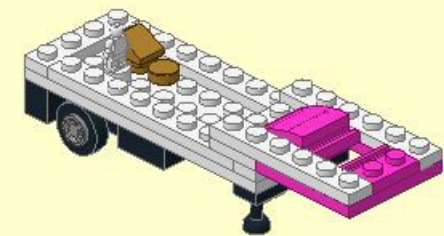
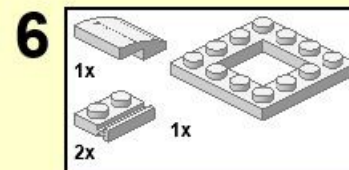
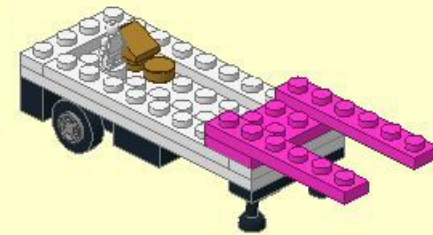
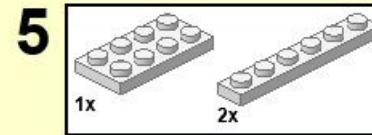
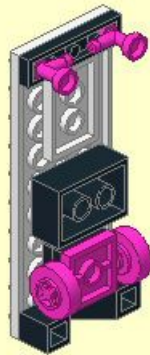
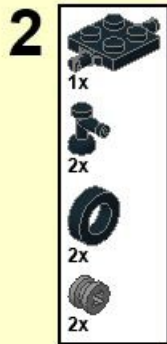
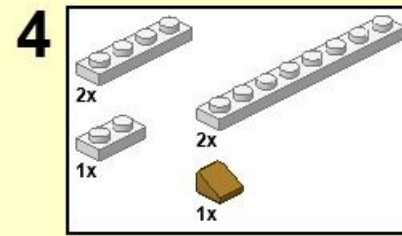
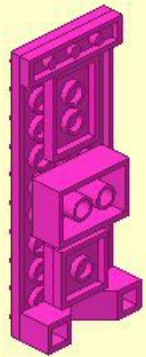
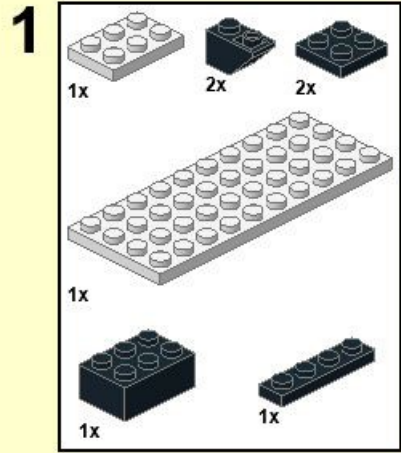
 **3023**  
2x

 **3139**  
6x

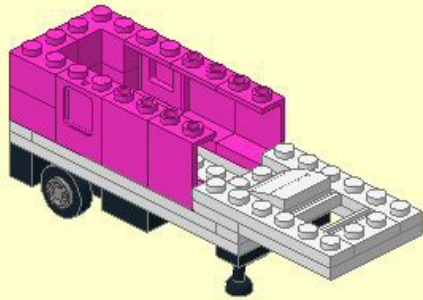
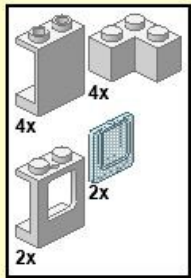
 **3023**  
1x

 **4624**  
6x

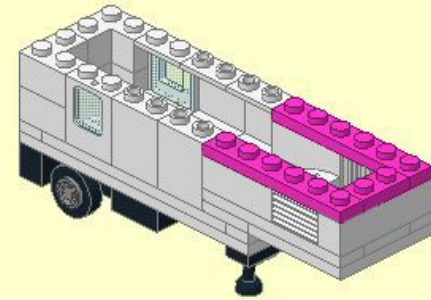
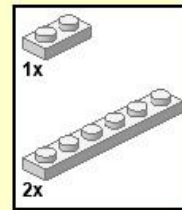




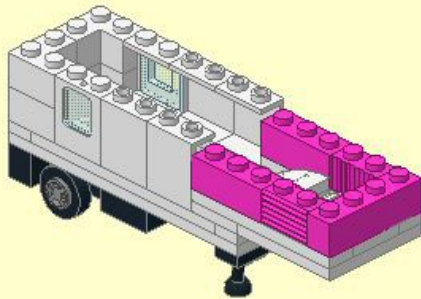
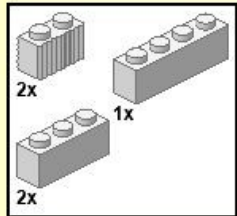
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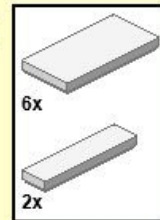
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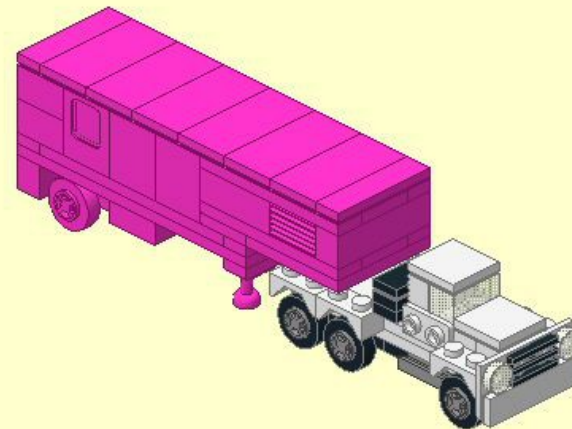
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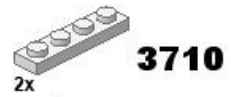


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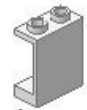
8





**3710**

2x



**4864**

4x



**3068**

3x



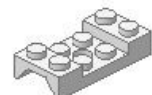
**90398**

1x



**93274**

1x



**60212**

3x



**99780**

2x



**3023**

3x



**3021**

3x



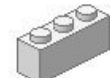
**87079**

6x



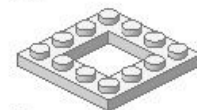
**2377**

2x



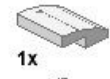
**3622**

2x



**64799**

1x



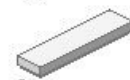
**15068**

1x



**2460**

1x



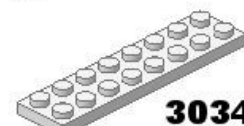
**2431**

3x



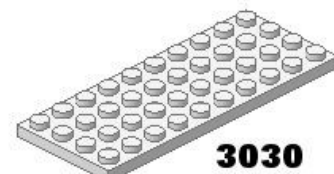
**2877**

3x



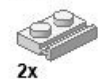
**3034**

1x



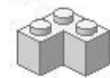
**3030**

1x



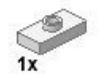
**32028**

2x



**2357**

4x



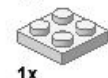
**3794**

1x



**3666**

4x



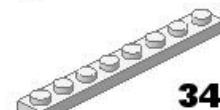
**3022**

1x



**3020**

1x



**3460**

2x



**3010**

1x



**4599**

2x



**3022**

2x



**3623**

2x



**3710**

1x



**4600**

4x



**3002**

1x



**3665**

2x



**3023**

1x



**2412**

1x



8x



**63864**

1x



**3065**

1x



**98138**

2x



**4862**

2x



**32028**

2x



**4624**

8x



**15535**

2x



**98138**

1x



**6141**

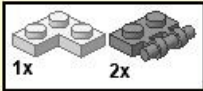

1x

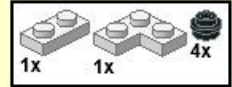



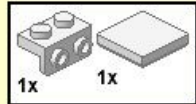

**50746**

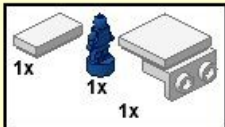

1x

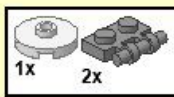




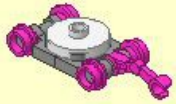
**1**  

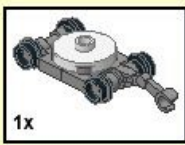
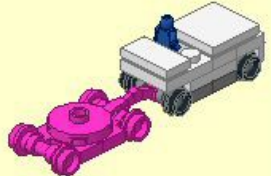
**2**  

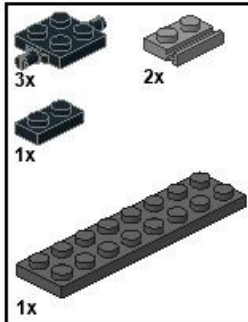
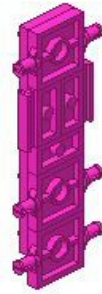
**1**  

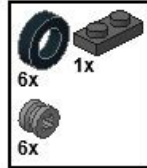
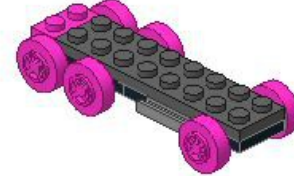
**3**  

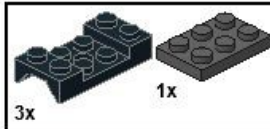

**1**  

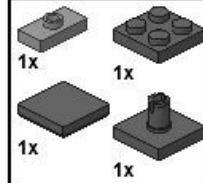
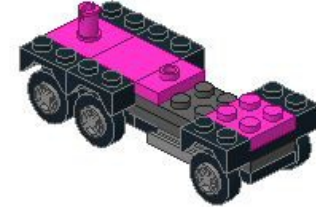
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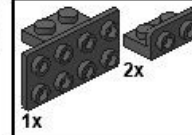
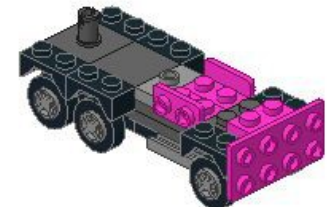
**4**  

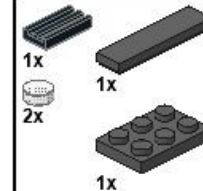
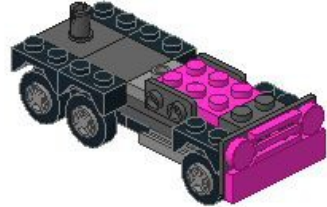
**1**  

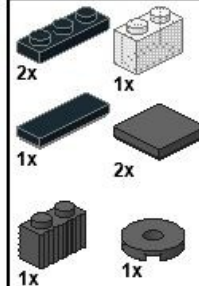
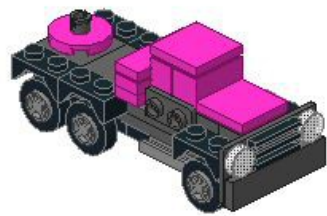
**2**  

**3**  

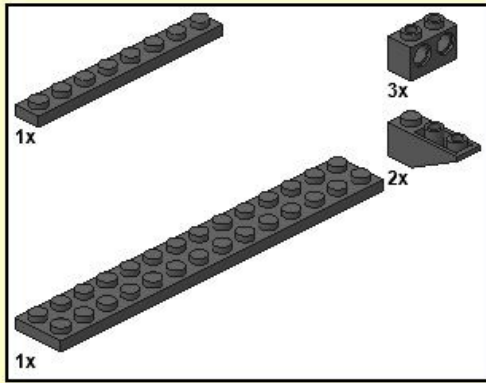
**4**  

**5**  

**6**  

**7**  

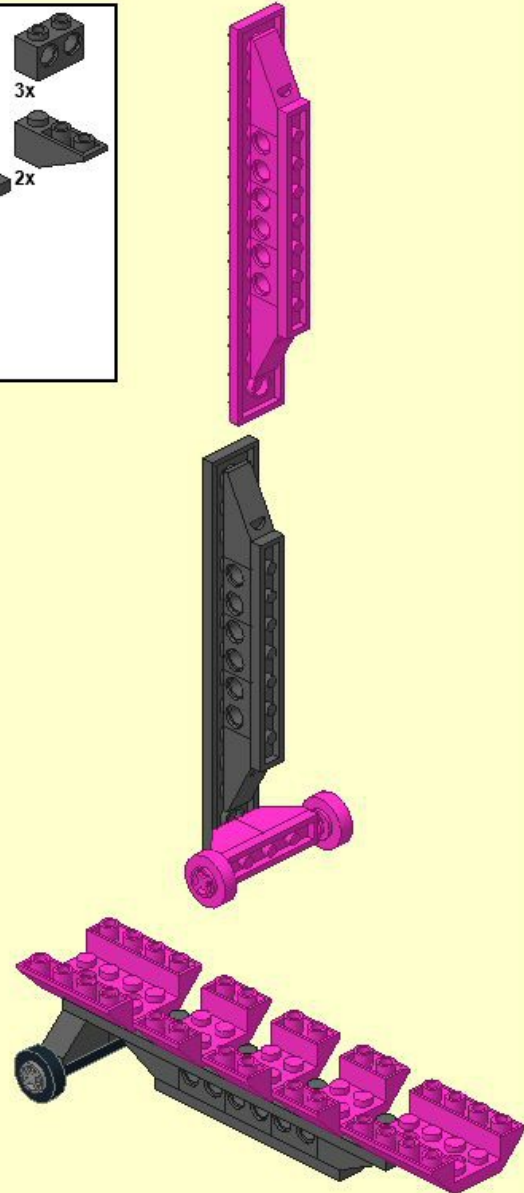
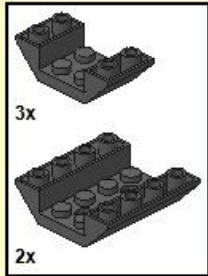
1



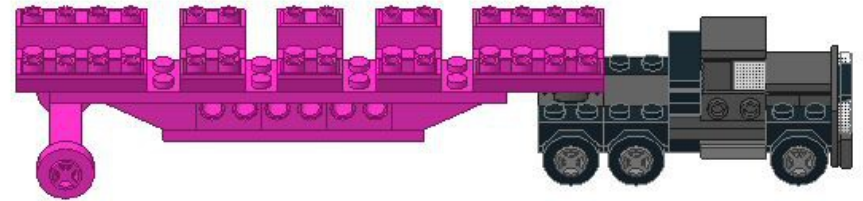
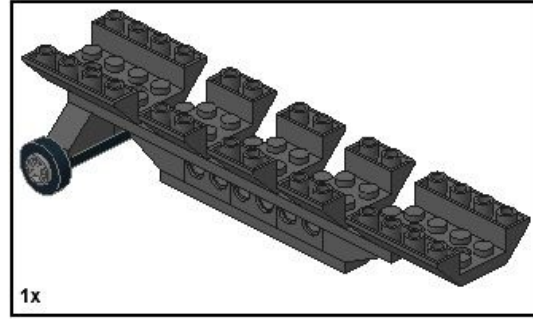
2




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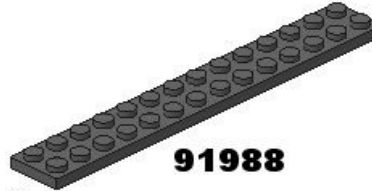











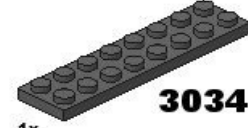



8



-  **3068**
-  **18674**
-  **2420**
-  **3023**
-  **3069**
-  **99781**
-  **90398**
-  **3623**
-  **4600**
-  **3023**
-  **2926**
-  **2412**
-  **3139**
-  **60212**

-  **63864**
-  **85861**
-  **3065**
-  **98138**
-  **2540**
-  **32028**
-  **4624**
-  **3794**
-  **30377**
-  **93274**
-  **3460**
-  **3068**
-  **32000**

-  **91988**
-  **3023**
-  **3021**
-  **3040**
-  **4871**
-  **72454**
-  **2431**
-  **2460**
-  **4287**
-  **2877**

-  **3034**
-  **99780**
-  **3022**
-  **15535**