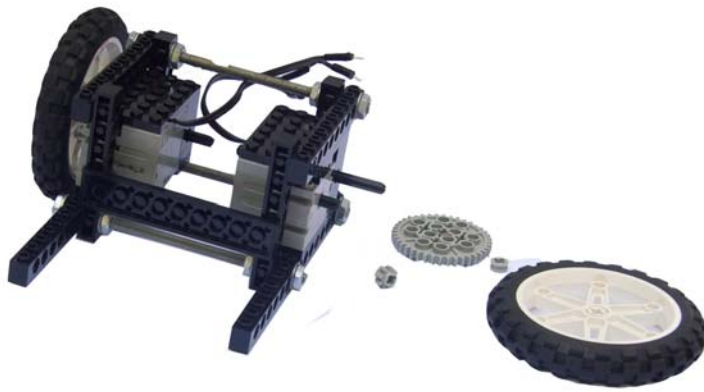


Step	Parts												
<div data-bbox="228 207 748 680"> </div>	<p><b><u>Motor Base Frame</u></b></p> <table> <tr> <td>Beam (1 x 8)</td><td>4</td></tr> <tr> <td>Beam (1 x 10)</td><td>2</td></tr> <tr> <td>Beam (1 x 16)</td><td>2</td></tr> <tr> <td>3/8" Bolts</td><td>3</td></tr> <tr> <td>Axle (4 Stud)</td><td>2</td></tr> <tr> <td>Plate (2 x 10) (for Alignment)</td><td>1</td></tr> </table>	Beam (1 x 8)	4	Beam (1 x 10)	2	Beam (1 x 16)	2	3/8" Bolts	3	Axle (4 Stud)	2	Plate (2 x 10) (for Alignment)	1
Beam (1 x 8)	4												
Beam (1 x 10)	2												
Beam (1 x 16)	2												
3/8" Bolts	3												
Axle (4 Stud)	2												
Plate (2 x 10) (for Alignment)	1												
<div data-bbox="250 800 699 1089"> </div>	<table> <tr> <td>Beam (1 x 2)</td><td>4</td></tr> <tr> <td>Block (2 x 4)</td><td>2</td></tr> <tr> <td>Bushing</td><td>4</td></tr> <tr> <td>Axle (8 Stud)</td><td>2</td></tr> </table>	Beam (1 x 2)	4	Block (2 x 4)	2	Bushing	4	Axle (8 Stud)	2				
Beam (1 x 2)	4												
Block (2 x 4)	2												
Bushing	4												
Axle (8 Stud)	2												
<div data-bbox="185 1152 846 1446"> </div>	<table> <tr> <td>Block (2 x 4)</td><td>2</td></tr> <tr> <td>Plate (2 x 4)</td><td>4</td></tr> <tr> <td>Plate (2 x 6)</td><td>2</td></tr> <tr> <td>Plate (4 x 6)</td><td>2</td></tr> </table>	Block (2 x 4)	2	Plate (2 x 4)	4	Plate (2 x 6)	2	Plate (4 x 6)	2				
Block (2 x 4)	2												
Plate (2 x 4)	4												
Plate (2 x 6)	2												
Plate (4 x 6)	2												
<div data-bbox="185 1551 875 1898"> </div>	<p>Complete Motor Cage</p>												



Large Hubs & Wheels	2
Gears (40 Tooth)	2
Gear ( 8 Tooth)	2
Pulley	2

5



Beam (1 x 12)	2
Pegs	2
Blue Pegs	4
Angle Plate	2
Axle (2 Stud)	4
Pulley	4

6

7



**Front Platform**

Small Wheel & Hub	2
Axle	
• 6 Stud	1
• 2 Stud	2
• 8 Stud	1
Short Peg w/ Long Axle	1
Cross Block	2
45 Degree Angle Connector	1
Bushing	2
T-Joint	1

8



Angle Plates	2
Axle (8 Stud)	2
Bushing	3
Pulley	2

<div data-bbox="272 199 763 640" data-label="Image"> </div> <div data-bbox="138 724 170 766" data-label="Text"> <p>9</p> </div>	<div data-bbox="950 178 1396 262" data-label="List-Group"> <ul style="list-style-type: none"> <li>Lift Arm 2</li> <li>Pulley 4</li> </ul> </div>
<div data-bbox="219 829 820 1669" data-label="Image"> </div> <div data-bbox="138 1690 186 1732" data-label="Text"> <p>10</p> </div>	<div data-bbox="950 871 1396 1039" data-label="List-Group"> <ul style="list-style-type: none"> <li>Beam (1 x 8) 2</li> <li>Plate (1 x 8) 2</li> <li>Connectors 4</li> <li>Yellow Angle Beam 2</li> </ul> </div>






 <p>11</p>	<p>90 Degree Angle Beam 2  Connector 6  Axle (12 Stud) 1  Bushings 2</p>
 <p>12</p>	<p>Assembly Check</p>
 <p>13</p>	<p><b><u>Bumper Assembly</u></b></p> <p>Beam (1 x 12) 1  45 Degree Angle Beam 2  Connectors 2  Long Connectors 2  Connector Peg w/ Axle 2  Cross Block 2</p>
 <p>14</p>	<p>Beam (1 x 10) 1  Axle (6 Stud) 2  Bushings 4</p>

 <p>15</p>	<p>Block (2 x 2) 1 Block (2 x 4) 1 Plate (2 x 10) 1</p>
 <p>16</p>	<p>Beam (1 x 10) 1 Plate (6 x 10) 1</p>
 <p>17</p>	<p>Plate (6 x 10) 1 Touch Sensor 2</p>








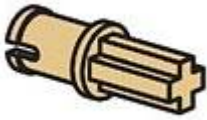
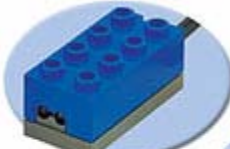
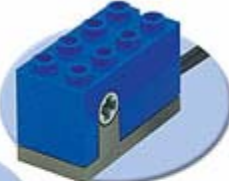



Final Assembly Check

18

Category	Part Description	Number Required	Step
 Beams	1 x 2	4	2
	1 x 8	6	1, 10
	1 x 10	4	1, 14, 16
	1 x 12	3	6, 13
	1 x 16	2	1
	45° Angle Beam	2	13
	90° Angle Beam	2	11
	45° Yellow Beam	2	10
Blocks	2 x 4	5	2, 3, 15
	2x2	1	15
 Plates	1 x 8	2	10
	2 x 4	4	3
	2 x 6	2	3
	2 x 10	2	1, 15
	4 x 6	2	3
	6 x 10	2	16, 17
	90° Angle Plate	4	6,8
 Axle	12 Stud	1	11
	8 Stud	5	2, 7, 8
	6 Stud	3	7, 14
	4 Stud	2	1
	2 Stud	6	6, 7
 Lift Arm	Lift Arm	2	9
 Gears	40 tooth	2	5
	8 tooth	2	5



 Bushings	Bushings	15	2, 7, 8, 11, 14
 Pulley	Pulley	12	5, 6, 8, 9
 Wheel / Tire	Large Wheels & Tires	2	5
	Small Hub & Tires (Front)	2	7
 Motor	9 V w/ Gear	2	3
 Cross Blocks	Cross Blocks	4	7, 13
	Angle Connectors	1	7
	T-Joint	1	7

 <p>Connector Peg w/ Axel</p>	Connector Pegs	14	6, 10, 11, 13
	Long Connectors	2	13
	Long Blue Connectors	4	6
	Connector Peg w/ Axel	2	13
	Short Peg w/ Long Axel	1	7
 <p>W779758</p>  <p>W979891</p>  <p>W779911</p>  <p>W979889</p>  <p>W779888</p>	Touch Sensor	2	17