Rear Lift Attachment Sub Assembly

Material List
(1) Red 1x4 Tall  (1) Green 1x4 Tall
(2) White 1x4 Tall  (1) Yellow 1x4 Tall
(1) Blue 2x8 Tall

Assemble rear lift attachment by placing white and red pieces underneath blue 2x10 on each end. Place the yellow and green pieces side by side 4 dots in on the blue 2x10 piece.

Real Wheel Sub Assembly

Material List
(2) White 2x4 Tall
(1) Wide Wheel Assembly

Place the two white blocks on top of each other and then place them together on top of rear wheel.
Chassis Sub Assembly

**Material List**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Steering Wheel</td>
</tr>
<tr>
<td>1</td>
<td>Red 1x2 Short</td>
</tr>
<tr>
<td>1</td>
<td>Red 1x2 Short</td>
</tr>
<tr>
<td>2</td>
<td>Red 2x8 Tall</td>
</tr>
<tr>
<td>1</td>
<td>Grey 2x6 Short</td>
</tr>
<tr>
<td>1</td>
<td>Blue 2x4 Short</td>
</tr>
</tbody>
</table>

Assemble the chassis by placing blue piece underneath the red block and the end. Next place grey 2x8 underneath the red block adjacent to blue piece. Place red 1x2 on top at the same end as blue piece of the red 2x10 block. Finally, place steering wheel directly behind the 1x2 red piece previously placed.

**Rear Wheel Attachment to Chassis**

**Material List**

Rear Wheel Sub Assembly
Chassis Sub Assembly

Place the rear wheel assembly underneath chassis lining up the rear row of dots on the white block of rear wheel with the last row of dots on the red 2x8 block and centering chassis over the rear wheels.
Front Wheel Sub Assembly

Material List
(1) Blue 2x8 Short   (1) Blue 2x2 Tall
(2) Blue 1x4 Short   (1) Blue 2x2 Short
(1) Narrow Wheel Assembly

Place the blue 2x2 tall on top of wheel assembly. Next place blue 2x2 short on top of blue 2x2 tall. Next place the two blue 2x4 shorts side by side centered long ways on the 2x8 blue short. Place that piece on top of blue 2x2 short centered with 2 dots on each side.
**Bucket Arm Assembly**

**Material List**

- (3) Red 2x4 Tall
- (2) Black 2x4 Tall
- (2) Blue 2x4 Tall
- (1) White 2x8 Tall

- (1) Red 1x2 Tall
- (2) Blue 1x4 Short
- (1) Grey 2x8 Tall
- (1) Red 4-legged Wedge

Step 1. Assemble front bucket by picture shown above right.
Step 2. Assemble arms and place together on bucket in above center picture.

**Truck Assembly**

Take Chassis / Rear Wheel assembly and attach it to Bucket Arm Assembly as shown on above right picture.
Attach Front Wheel Assembly as to frame as shown in above picture.

Attach front windshield into position as shown on above picture.

**Cab Side Panel Assembly**

Gather pieces shown in above left picture and assemble together as shown in above right picture.
Cab Assembly

Step 1. Assemble rear window as shown in (2) above pictures and then attach to side panel assembly as shown in above center picture.

Passenger Side Assembly

Gather pieces shown in above left picture and assemble as shown in above right photo.
Door / Roof Assembly

Assemble roof and door as shown in above picture.

Attach the door / roof assembly to cab assembly as shown in above photo.

Attach side passenger assembly to cab assembly as shown in above picture.
Place the cab assembly on top of the chassis assembly as shown in the above pictures.

Attach rear assembly to chassis assembly for finished Lunar Bulldozer!!!