

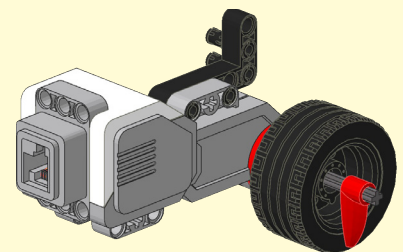
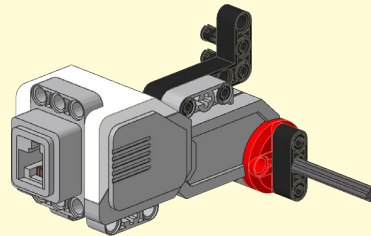
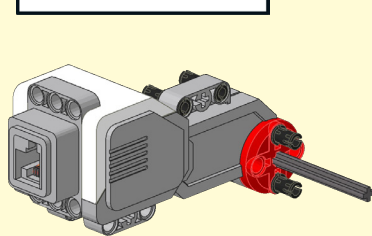
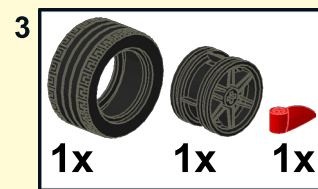
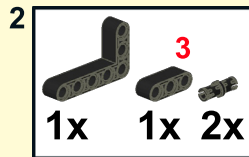
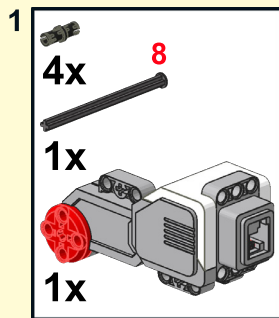
# Parts List

(All parts are in the EV3 MINDSTORMS Retail set)

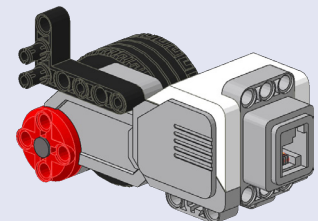
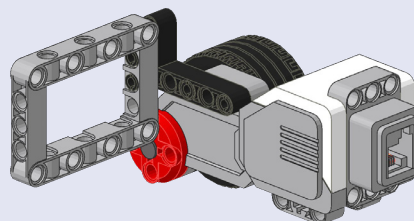
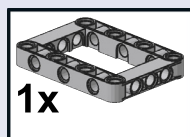
Qty	Color	Part	Description
1	White	95646.dat	Electric Mindstorms EV3
2	White	95658.dat	Electric Mindstorms EV3 Large Motor
2	Red	32062.dat	Technic Axle 2 Notched
2	Dark Bluish Gray	55013.dat	Technic Axle 8 with Stop
2	Black	32523.dat	Technic Beam 3
2	Black	32526.dat	Technic Beam 3 x 5 Bent 90
2	Light Bluish Gray	64179.dat	Technic Beam 7 x 5 with Open Center 5 x 3
1	Black	40490.dat	Technic Beam 9
1	Black	41239.dat	Technic Beam 13

Qty	Color	Part	Description
2	Light Bluish Gray	92907.dat	Technic Cross Block 2 x 2 x 2 Bent 90 Split (Pin/Twin Axle)
2	Light Bluish Gray	3673.dat	Technic Pin
26	Black	2780.dat	Technic Pin with Friction and Slots
2	Red	41669.dat	Technic Tooth 1 x 3 with Axlehole
2	Rubber Black	44309.dat	Tyre 22/ 30 x 30 ZR
2	Light Bluish Gray	42610.dat	Wheel Hub 8 x 11.2 with Centre Groove
2	Black	56145.dat	Wheel Rim 20 x 30 with 6 Spokes and External Ribs

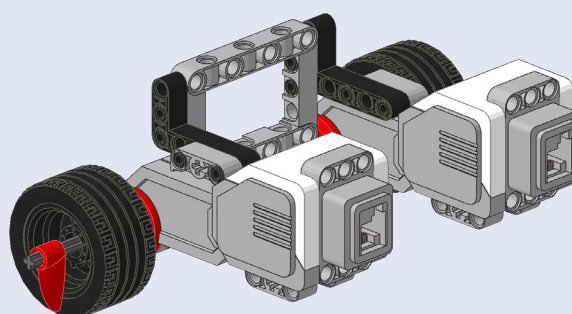
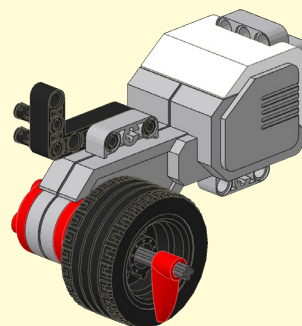
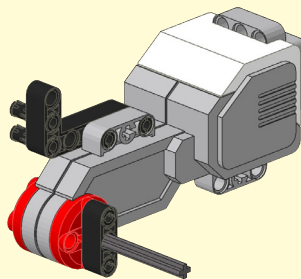
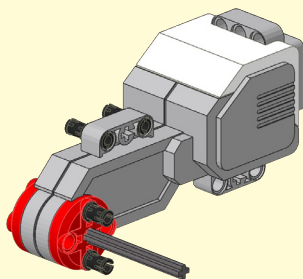
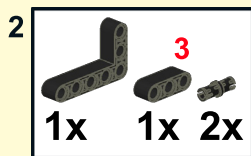
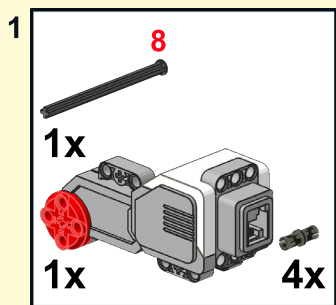
## 1



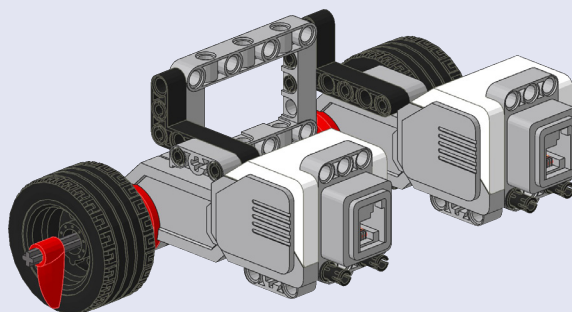
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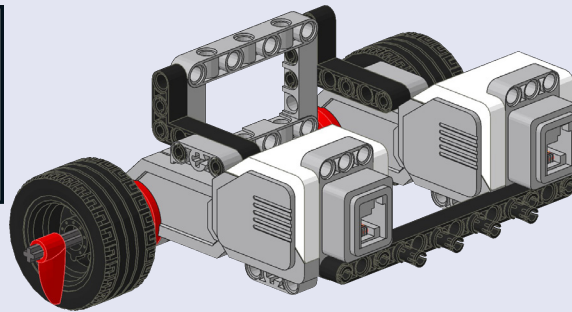
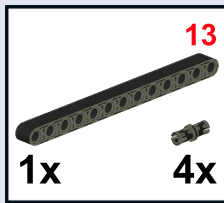
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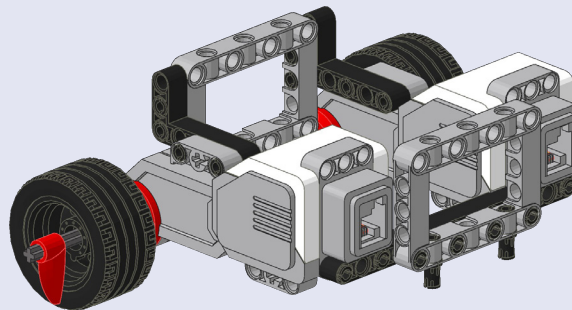
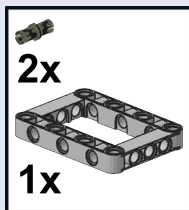
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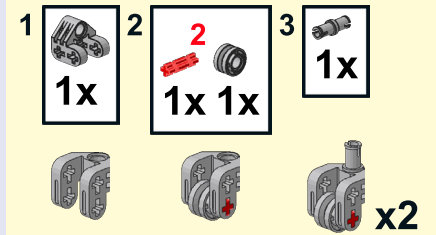
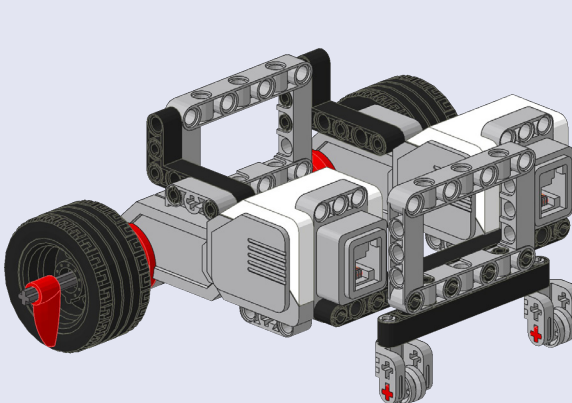
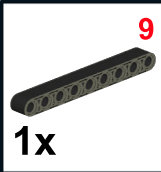
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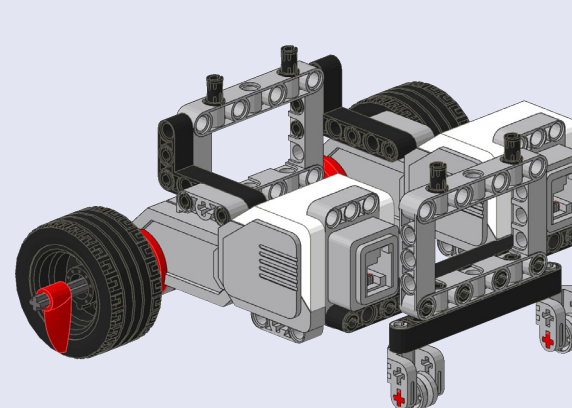
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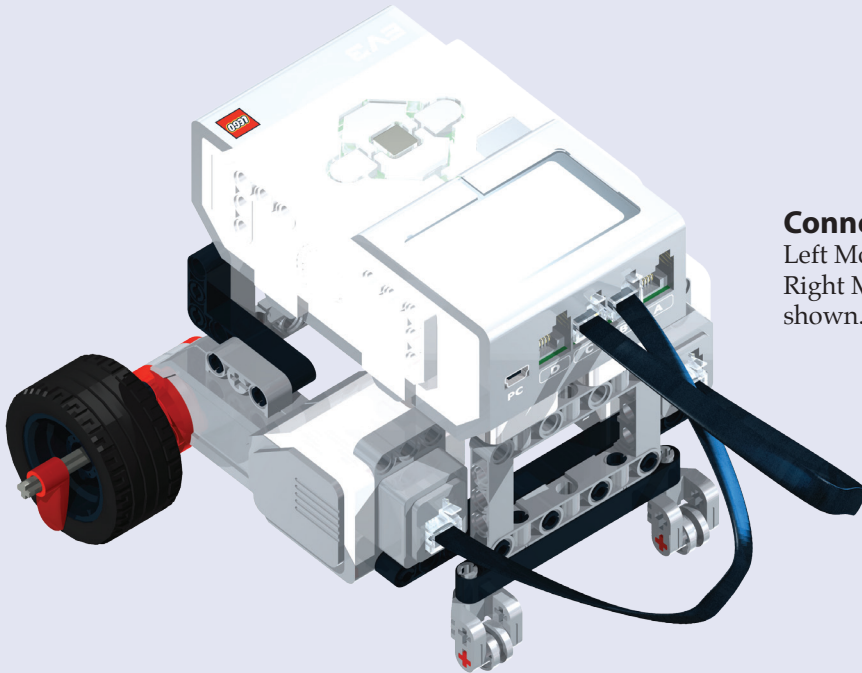
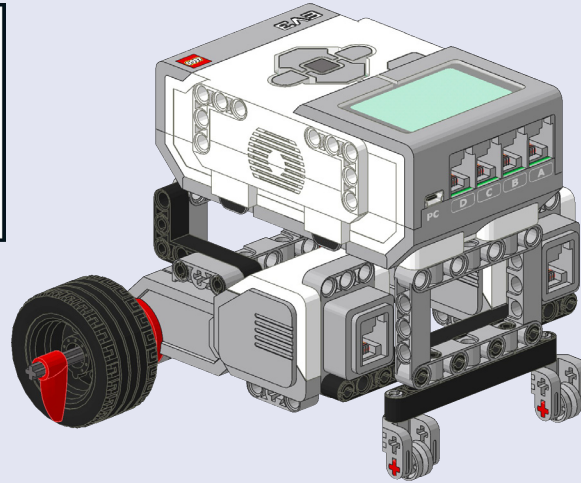
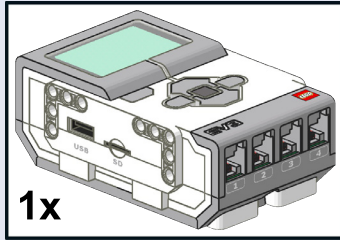
### Making a Caster

This is a quick way to make a wheel that can turn any direction based on the motors and is from the *LEGO MINDSTORMS EV3 Laboratory*, a book that is highly recommended!

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### Connecting the Cables

Left Motor connects to Outlet B and  
Right Motor crosses to Outlet C as  
shown.