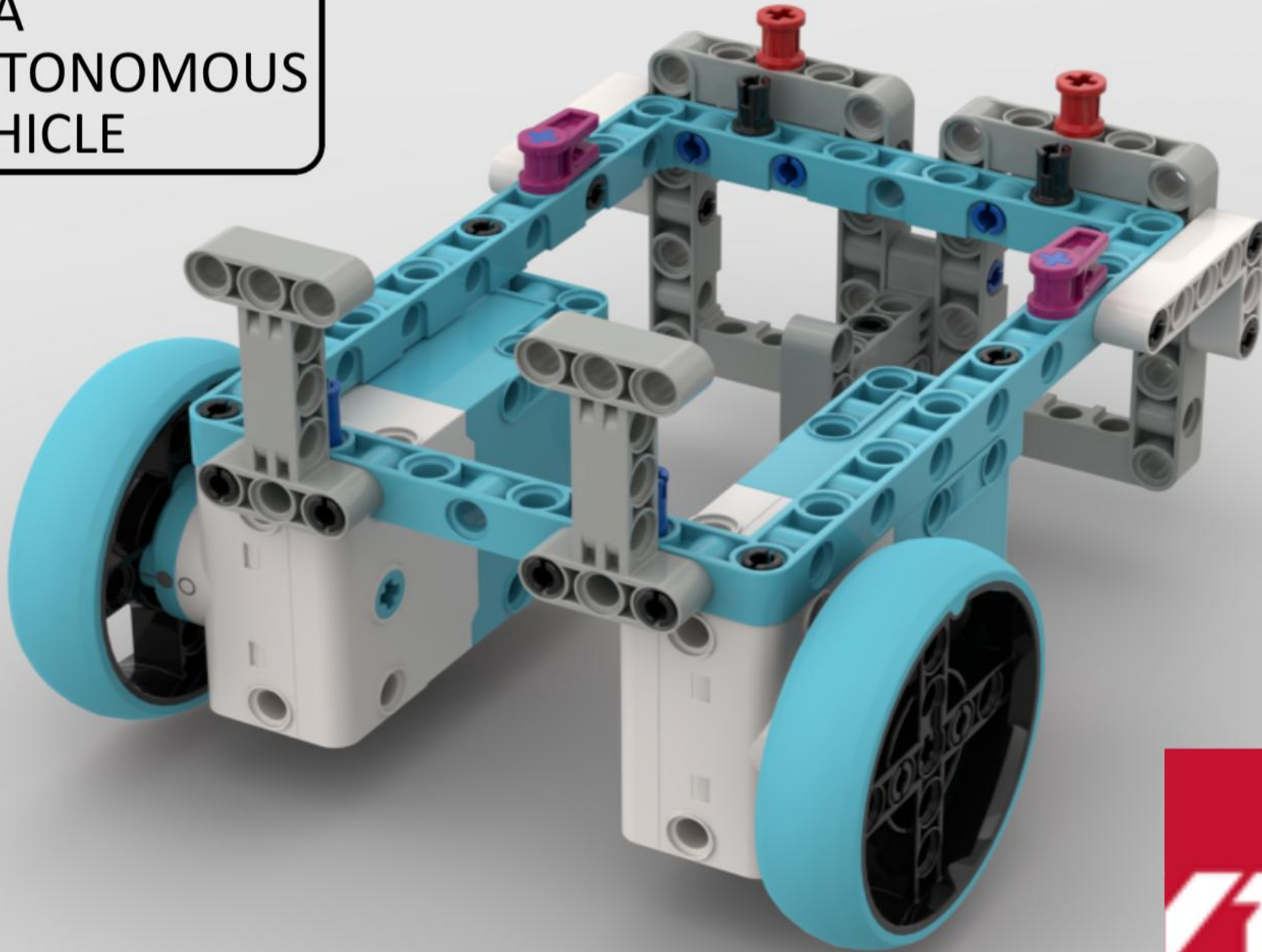


CVA
AUTONOMOUS
VEHICLE



**RASPBERRY
PI 5 x1**



**BUILD HAT
x1**



**PI CAMERA
MODULE x1**



**RPI-to-LEGO
ADAPTOR x1**



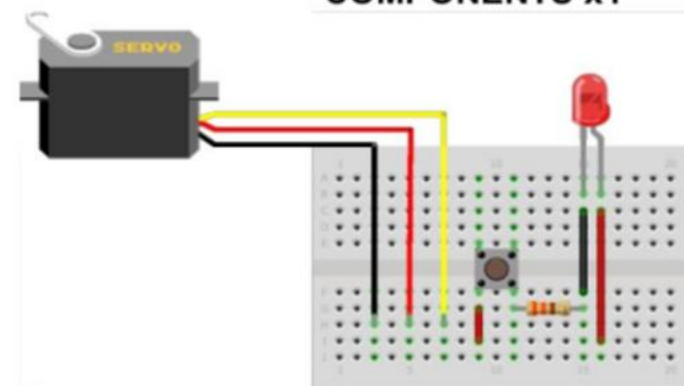
**BUILD HAT
PSU x1**

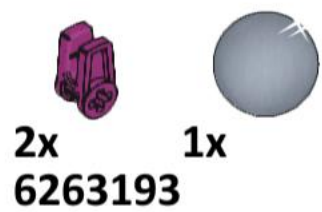
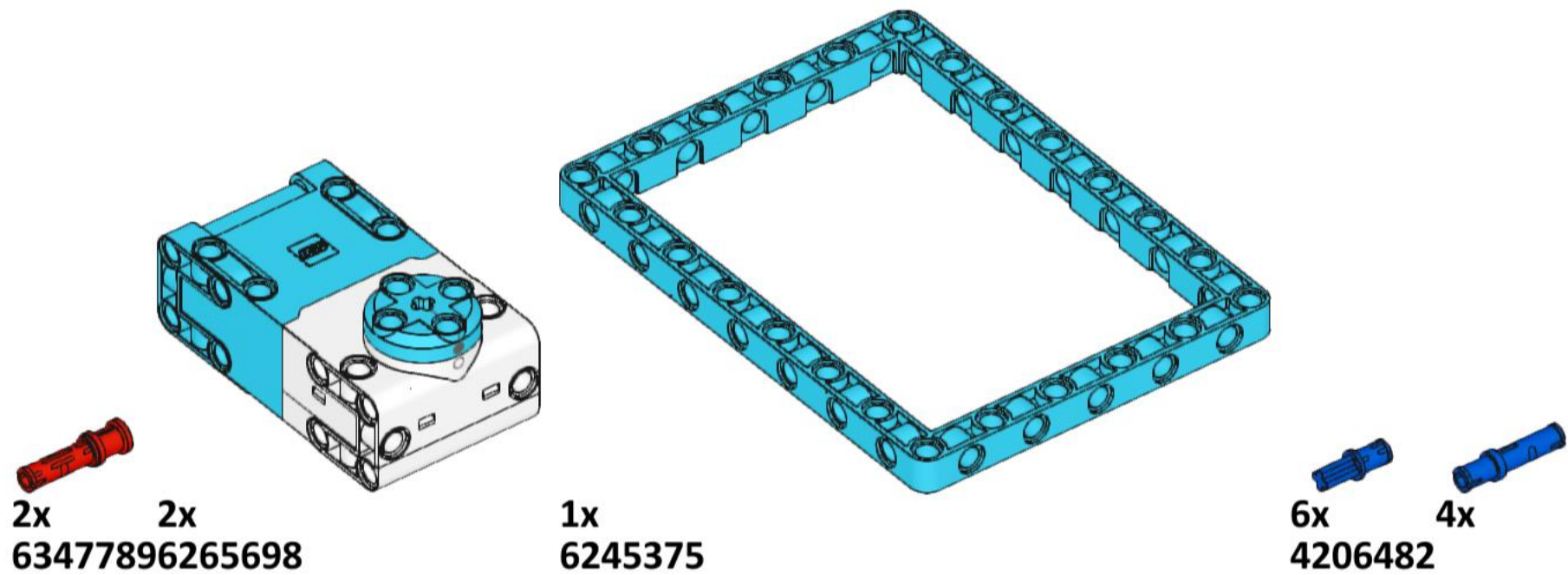
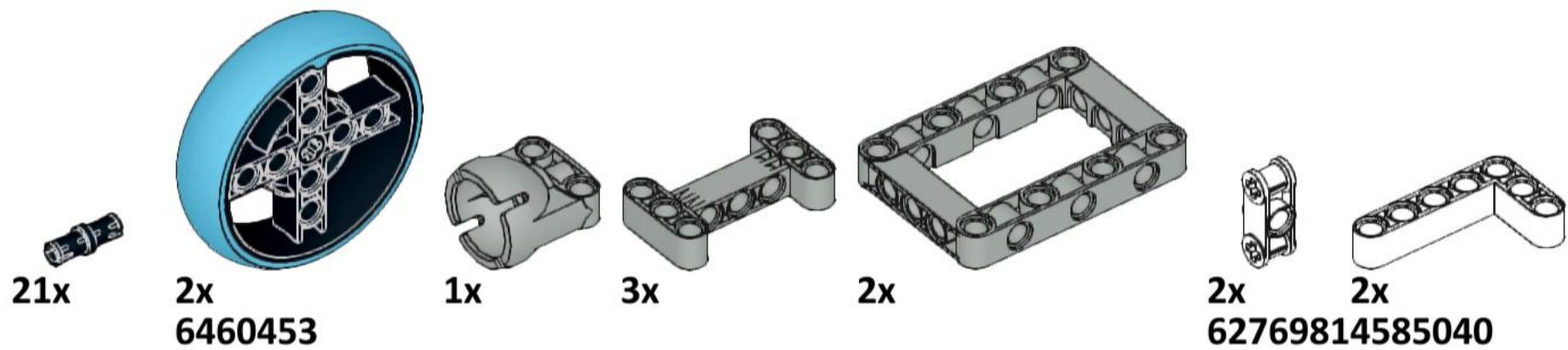


**CAMERA CSI
CABLE x1**

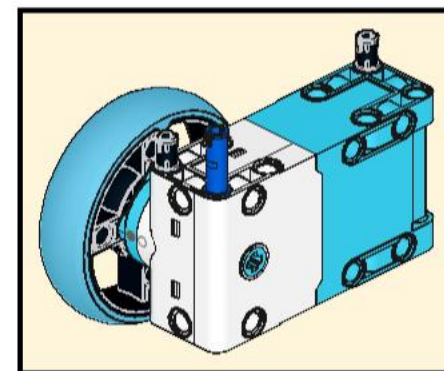
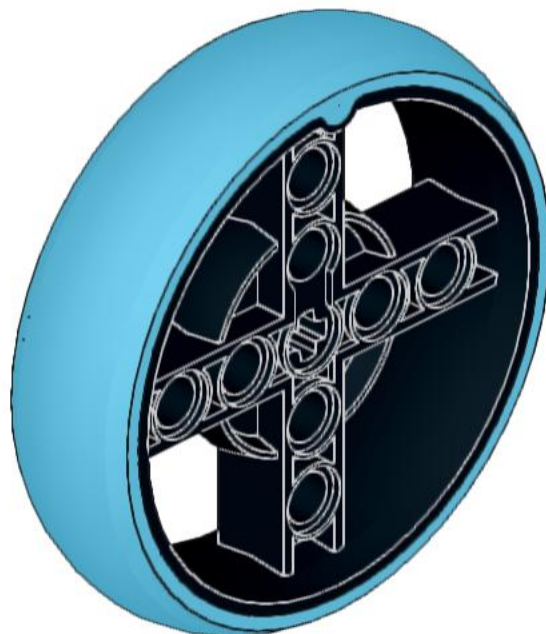
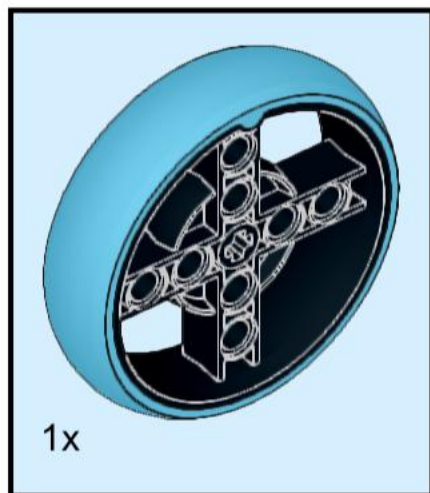


**BREADBOARD
with
COMPONENTS x1**

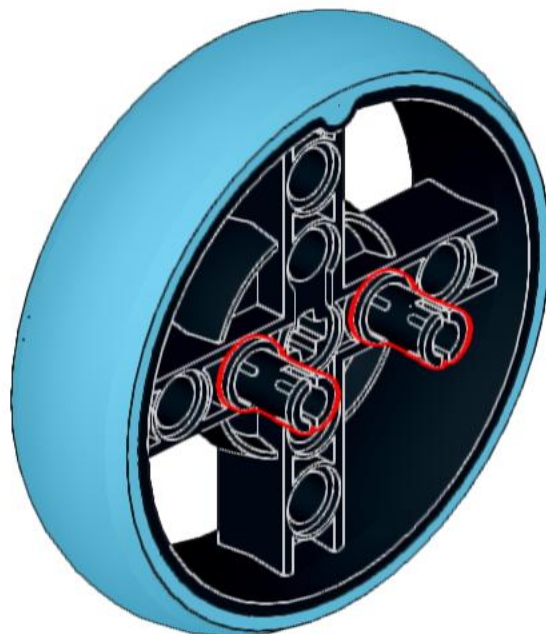




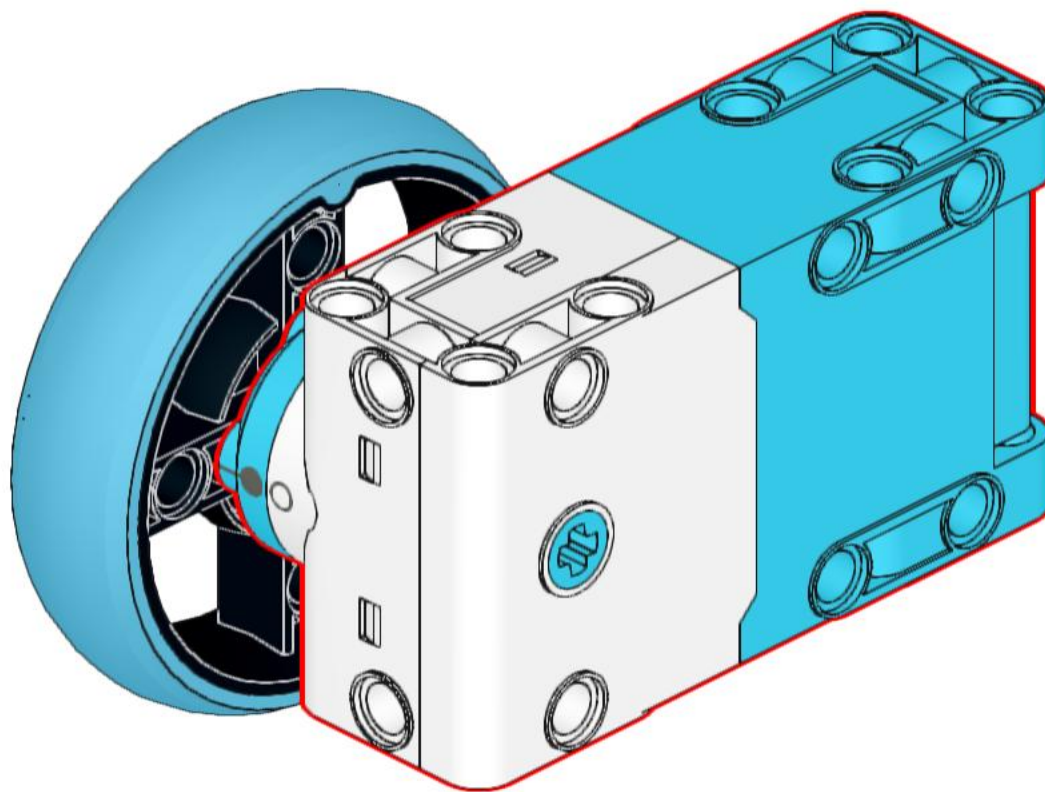
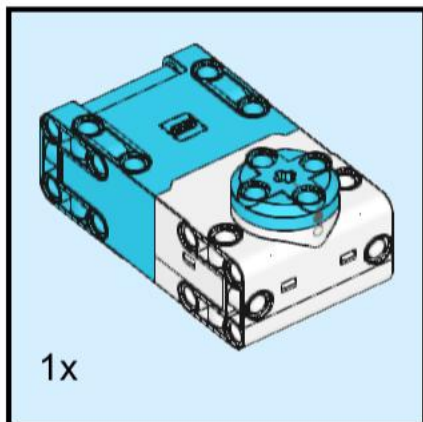
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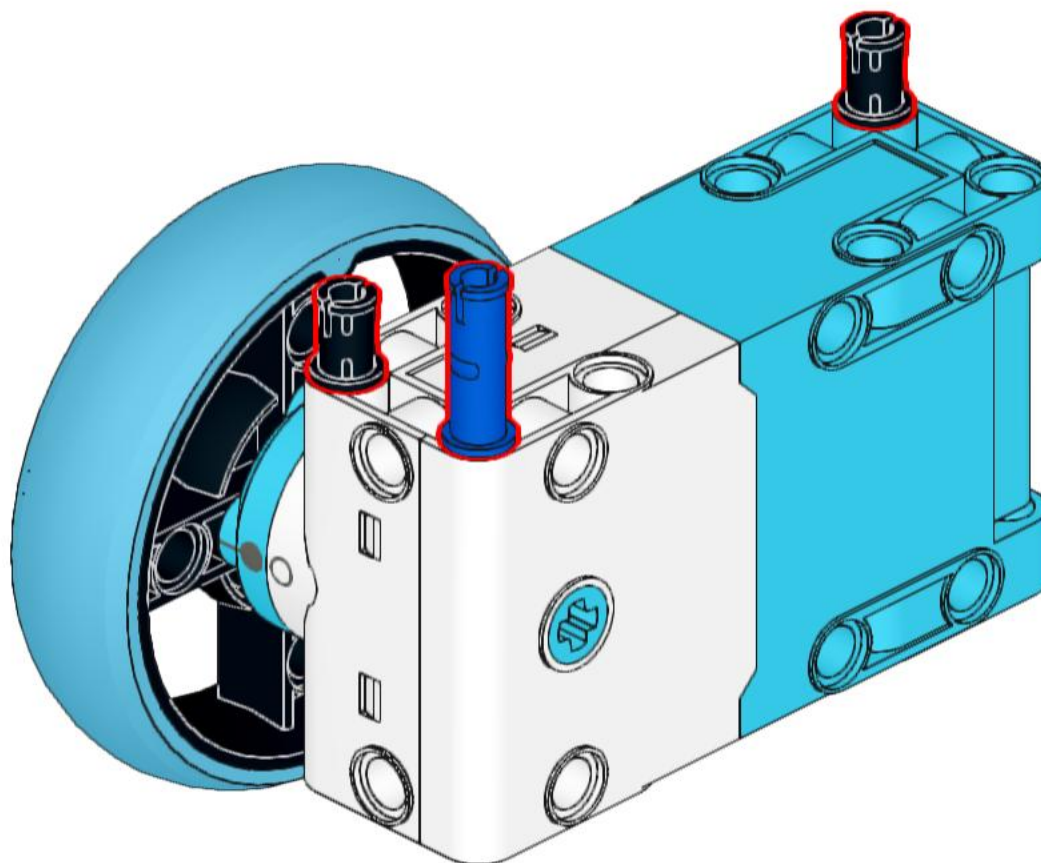
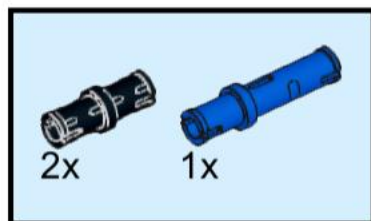
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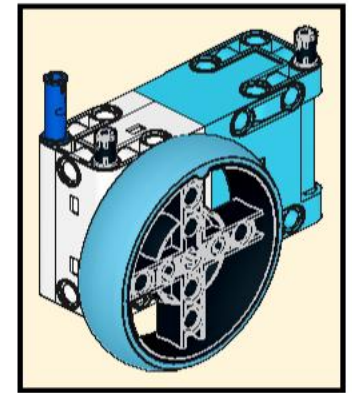
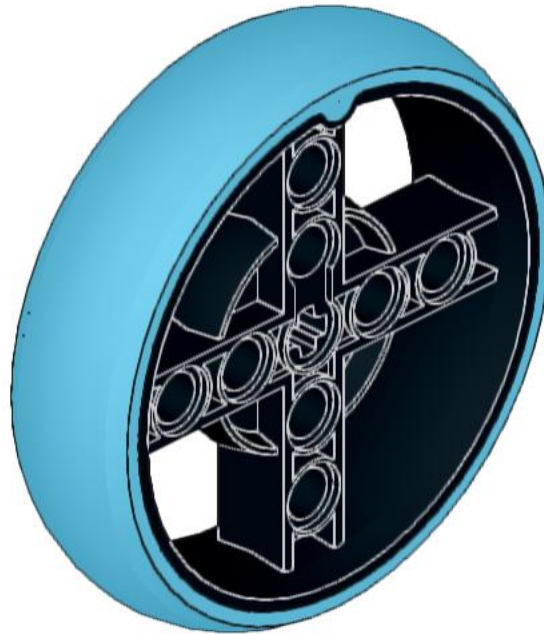
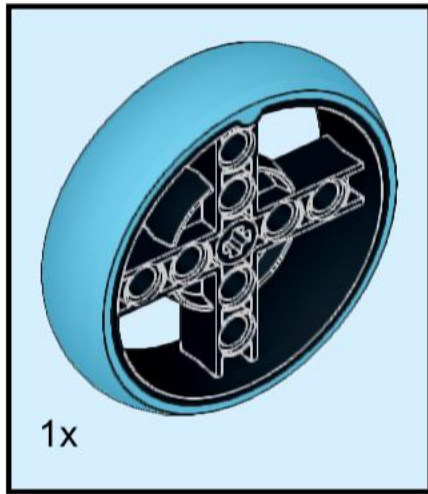
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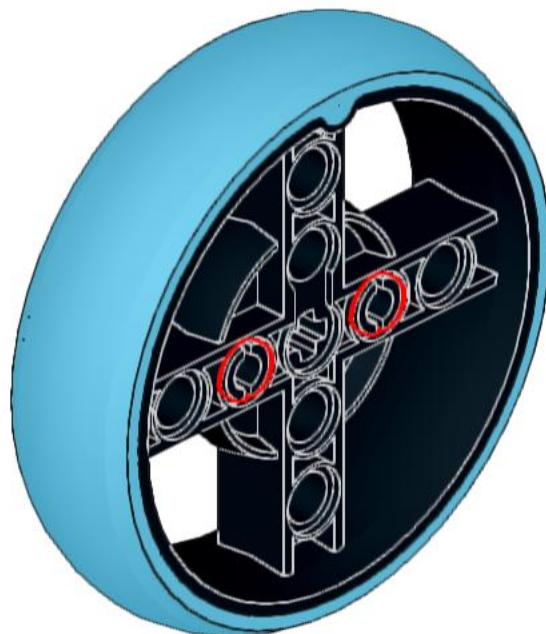
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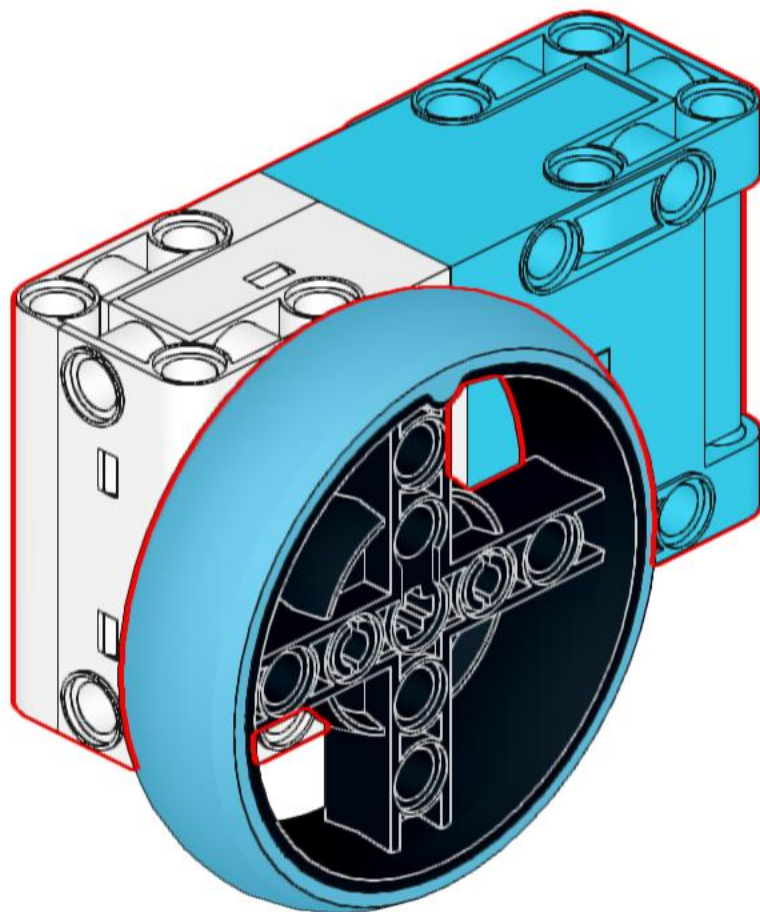
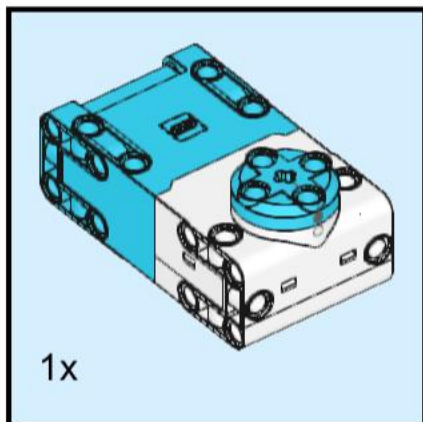
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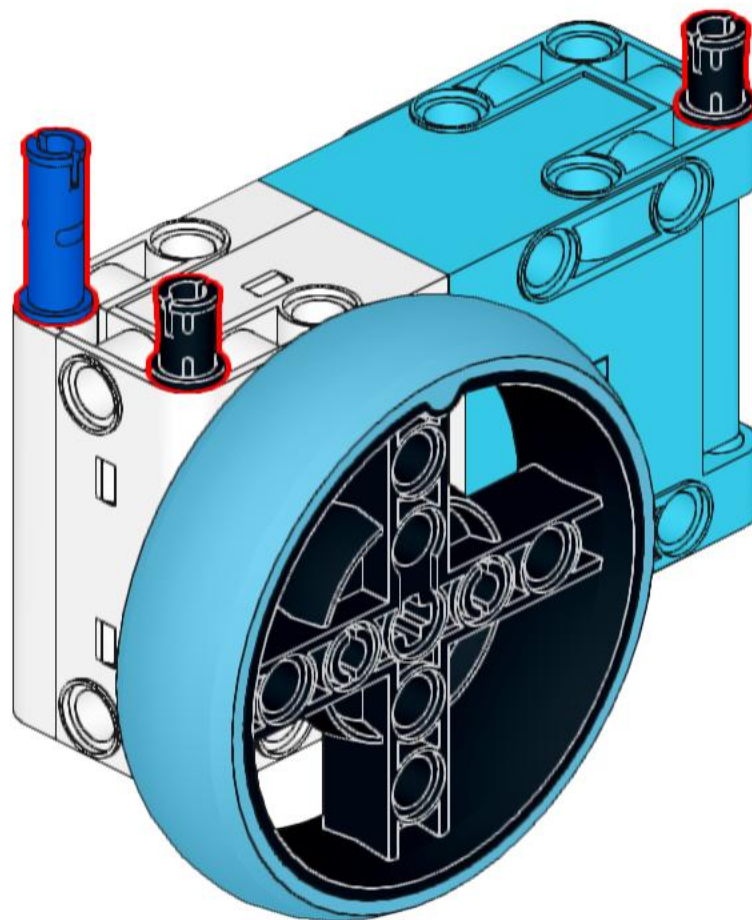
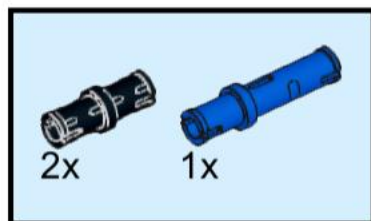
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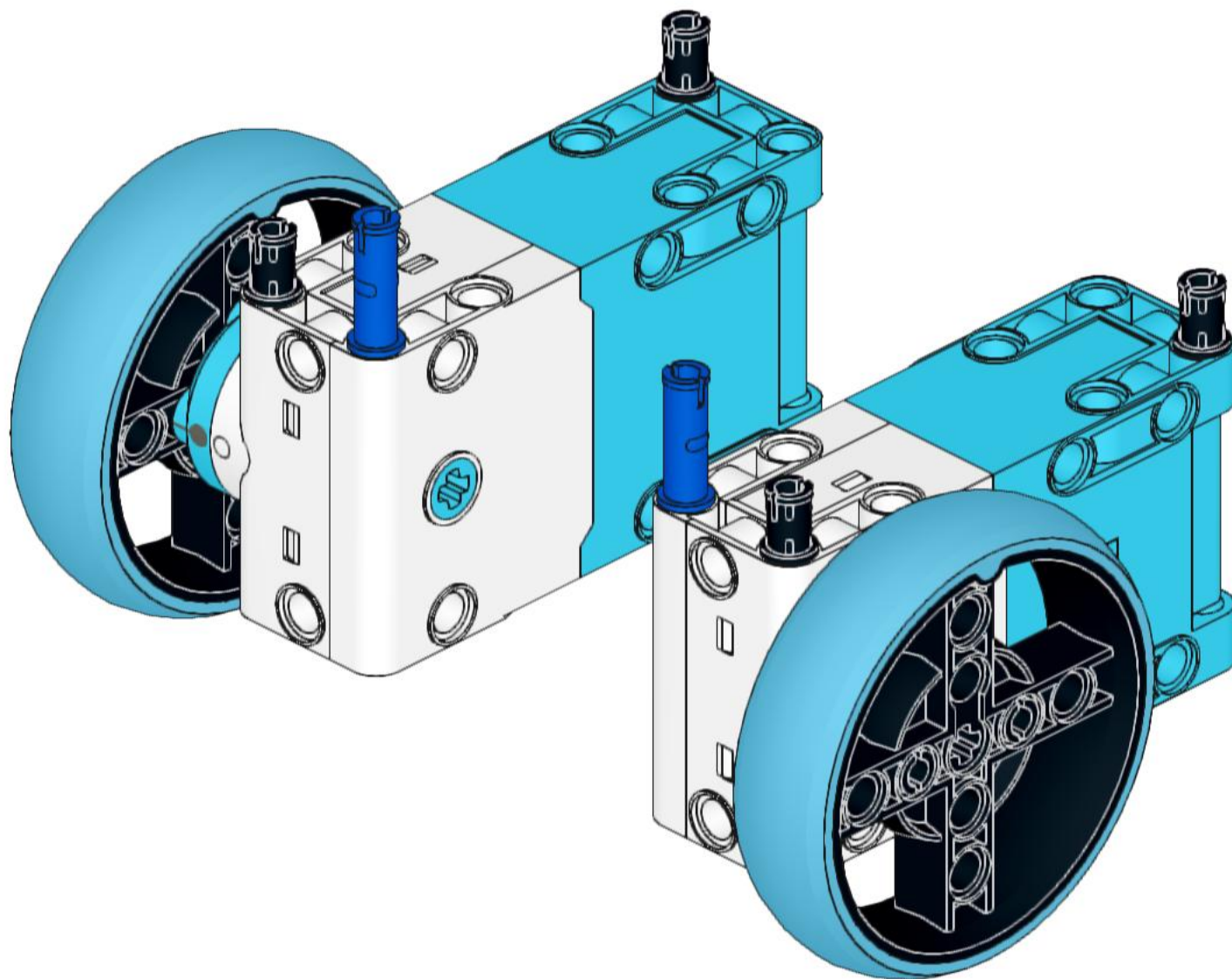
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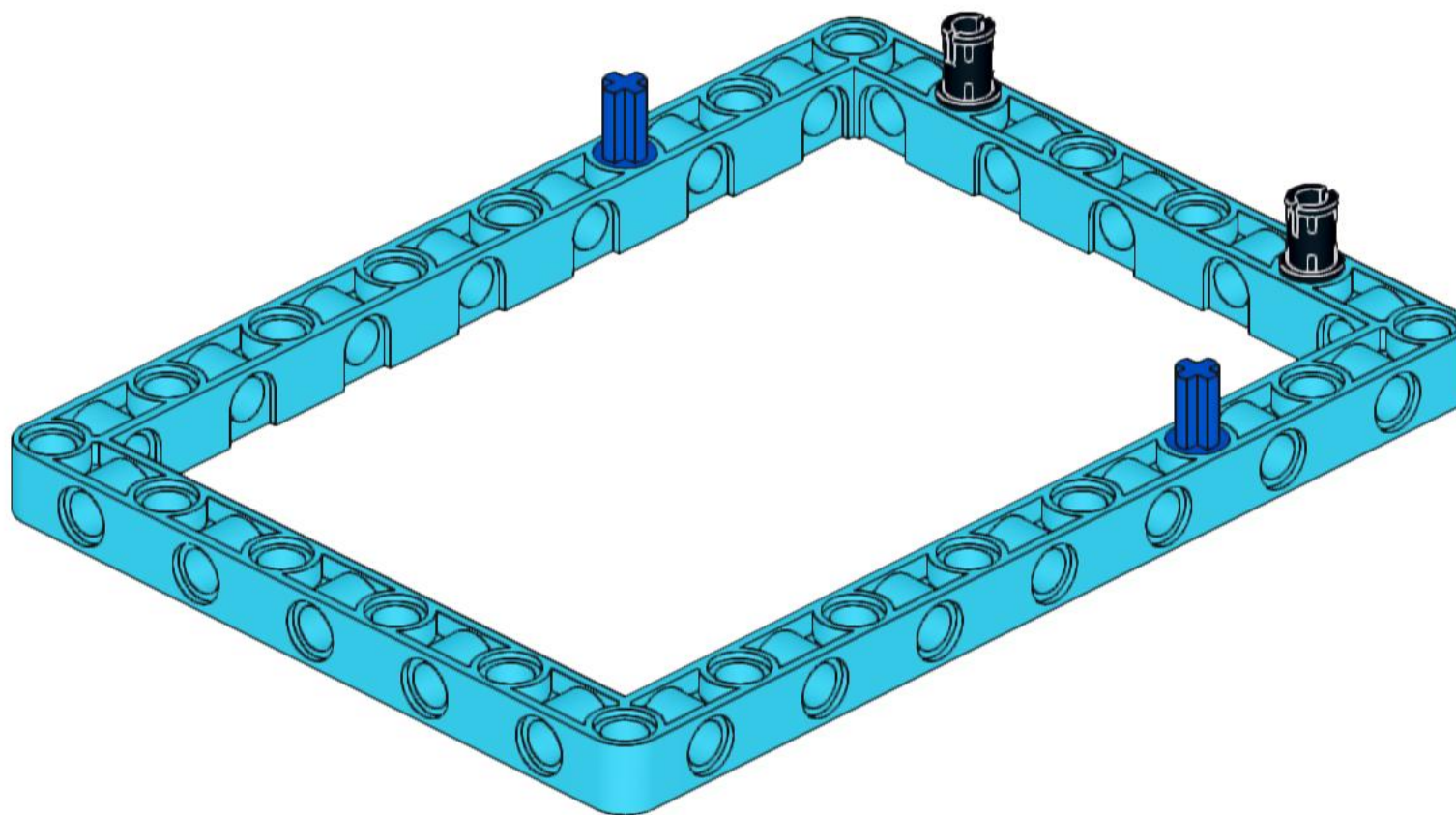
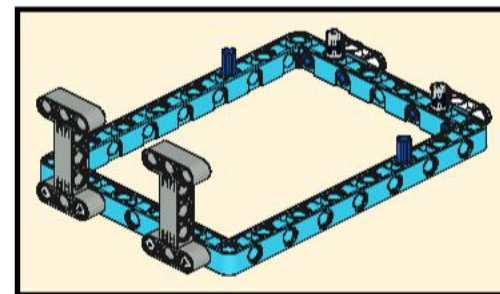
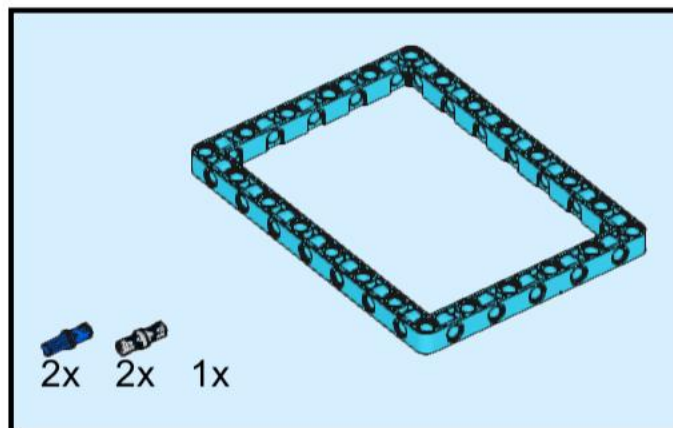
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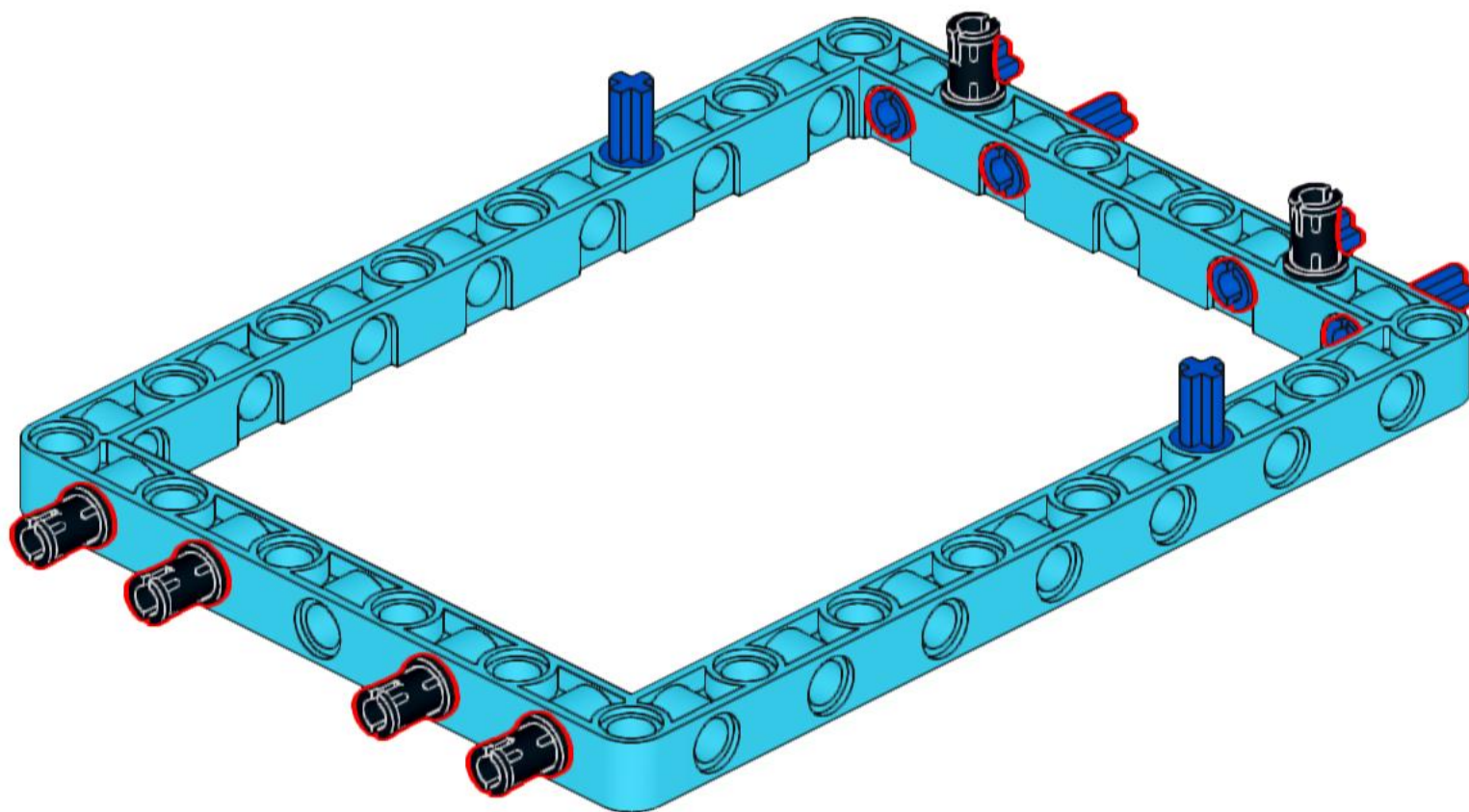
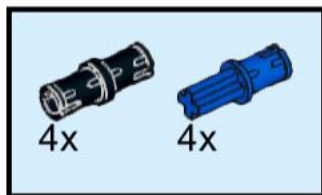
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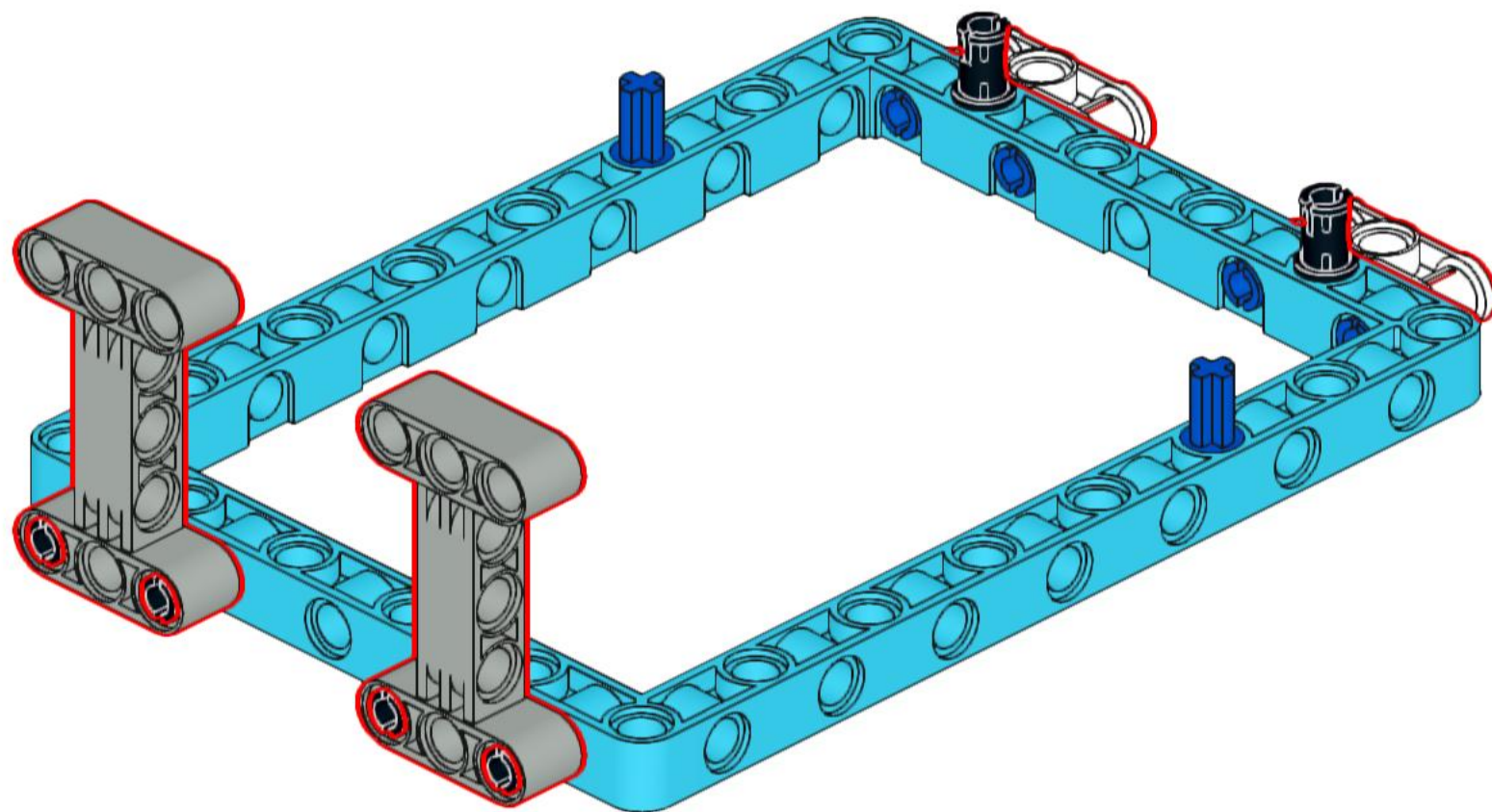
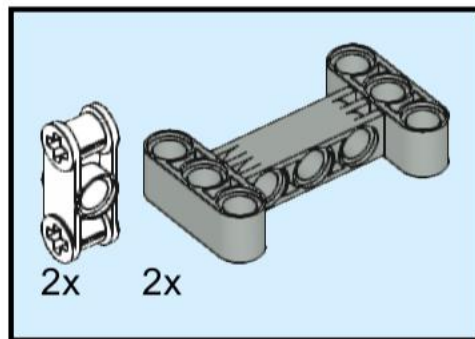
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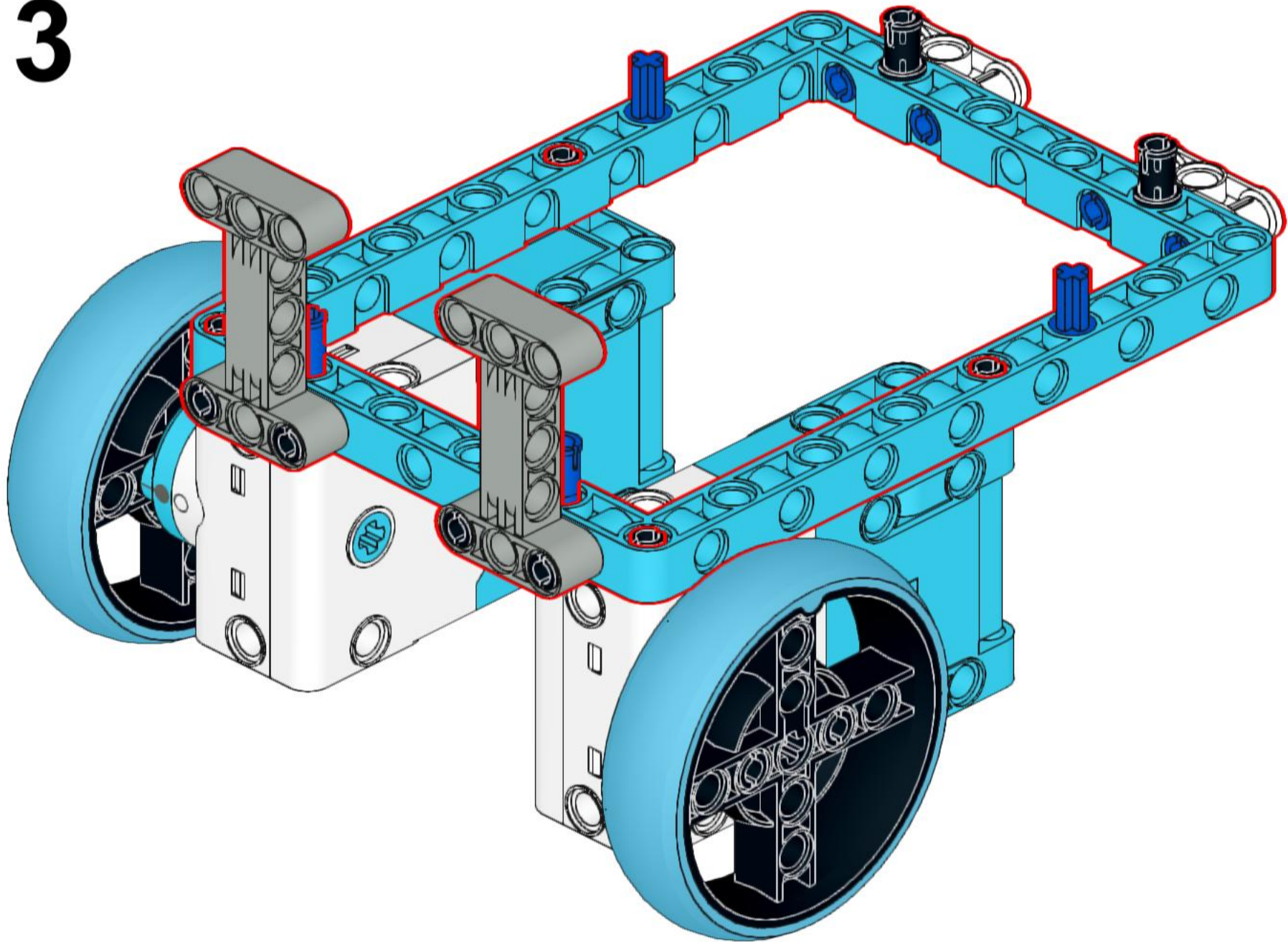
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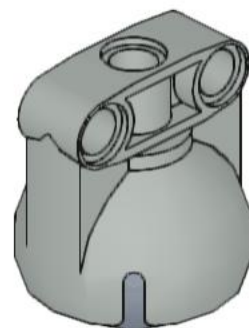
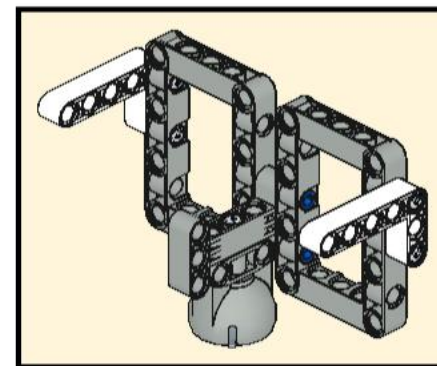
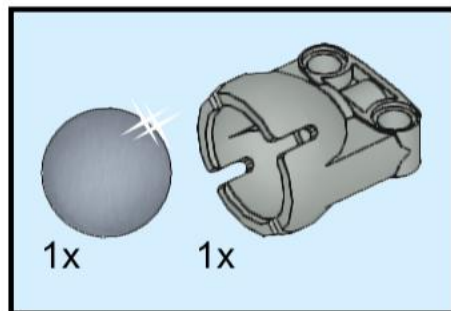
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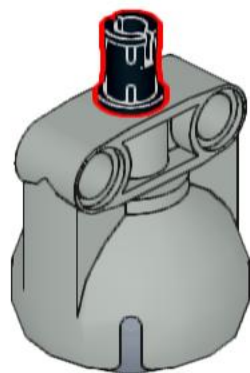
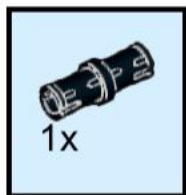
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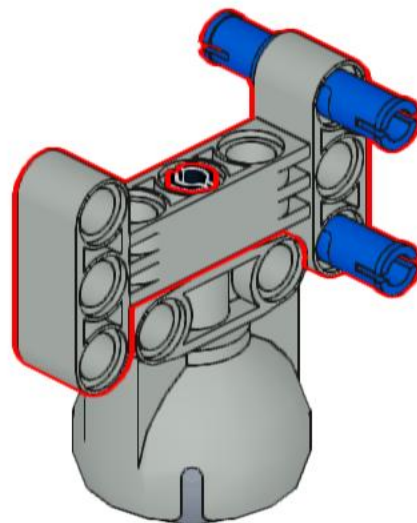
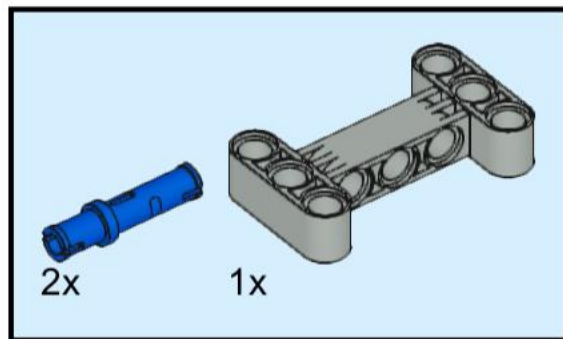
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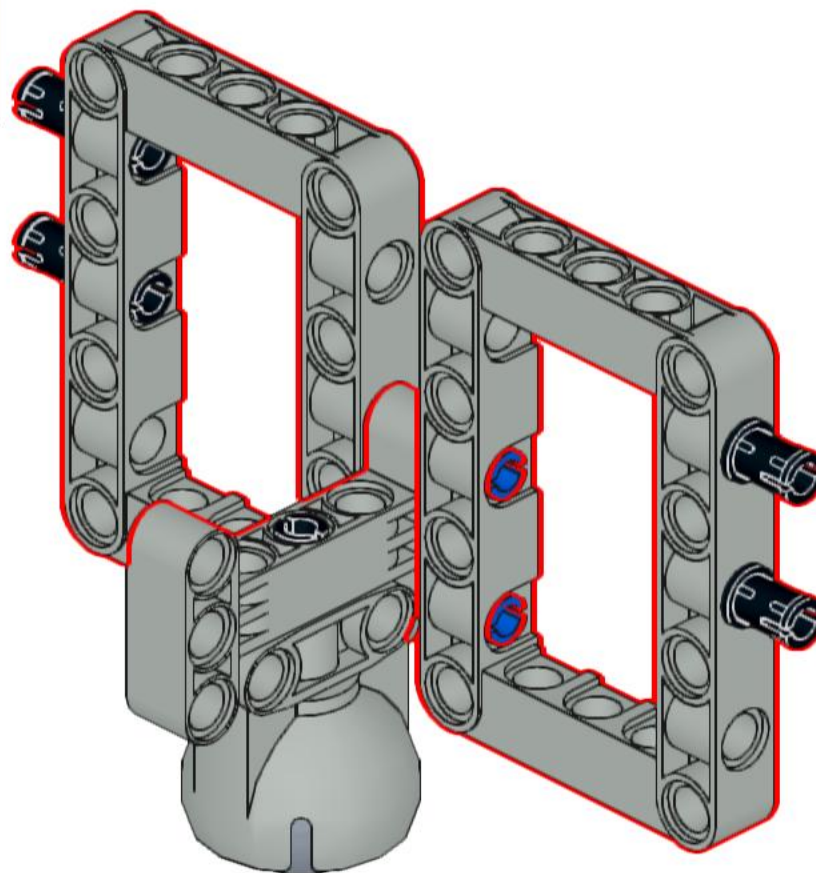
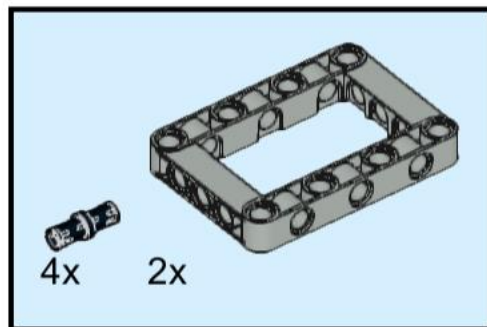
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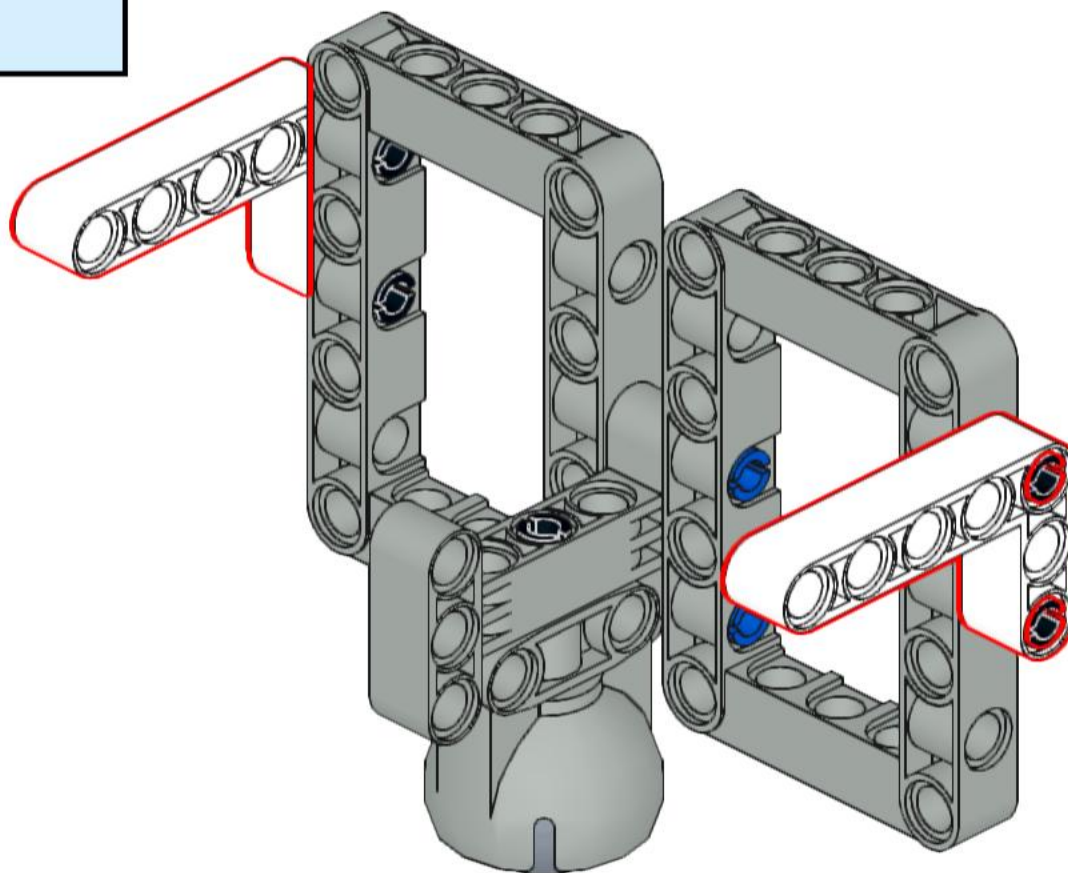
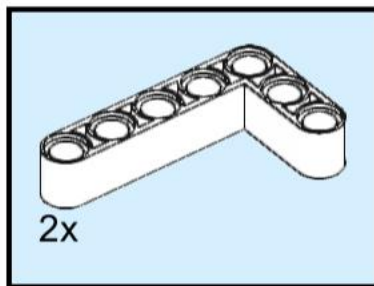
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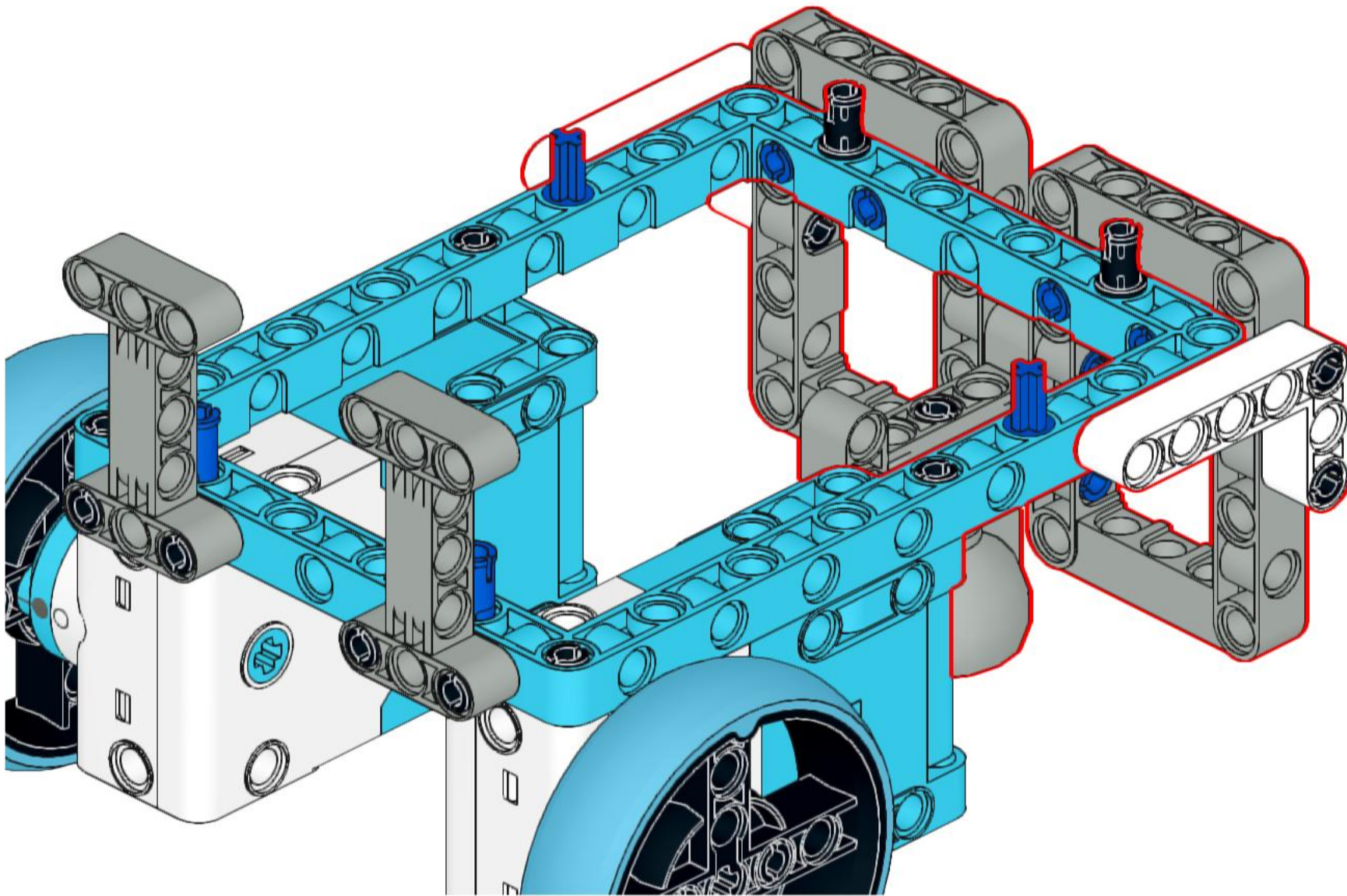
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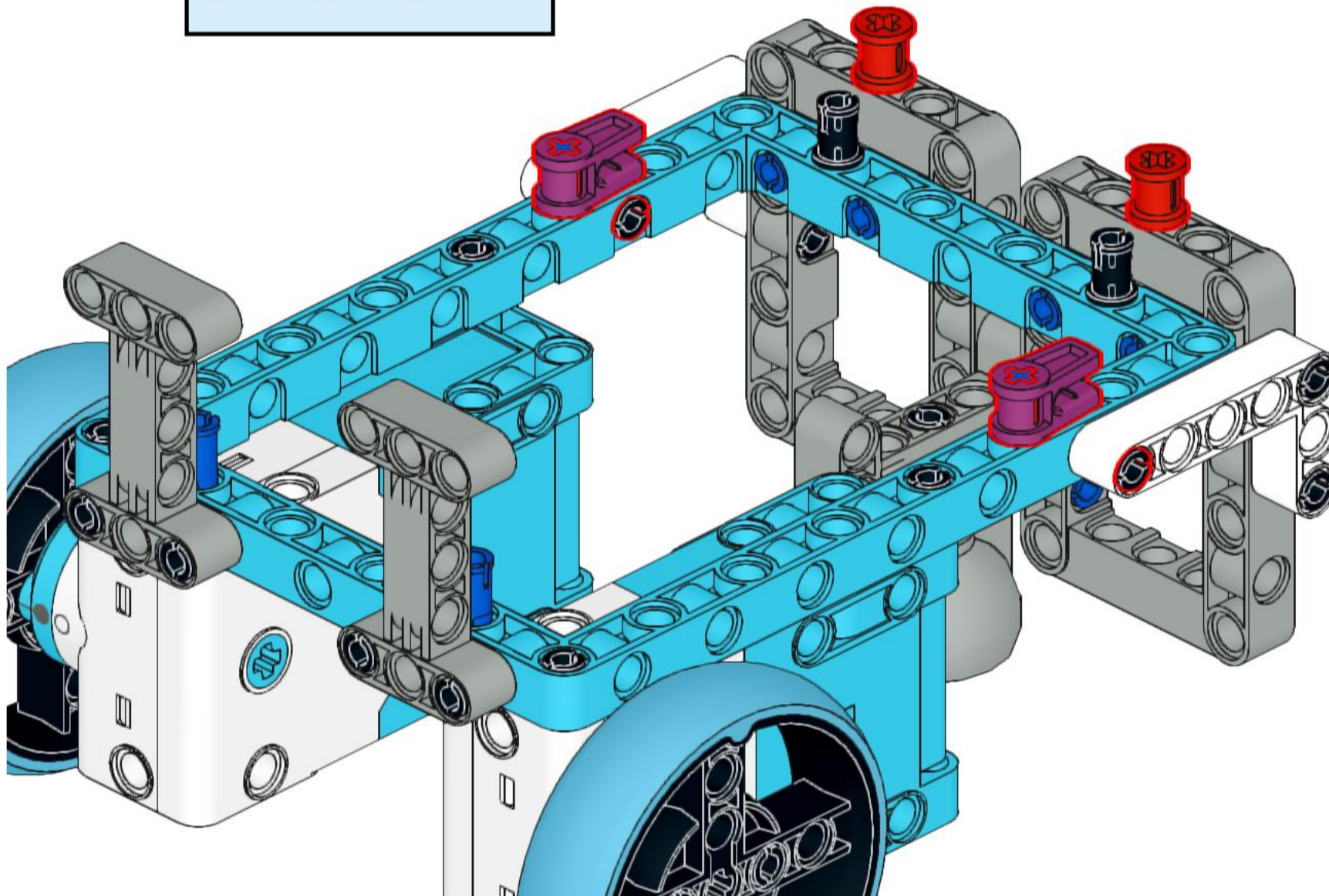
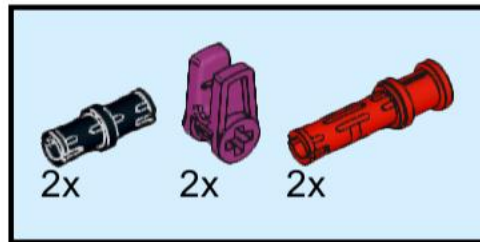
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19



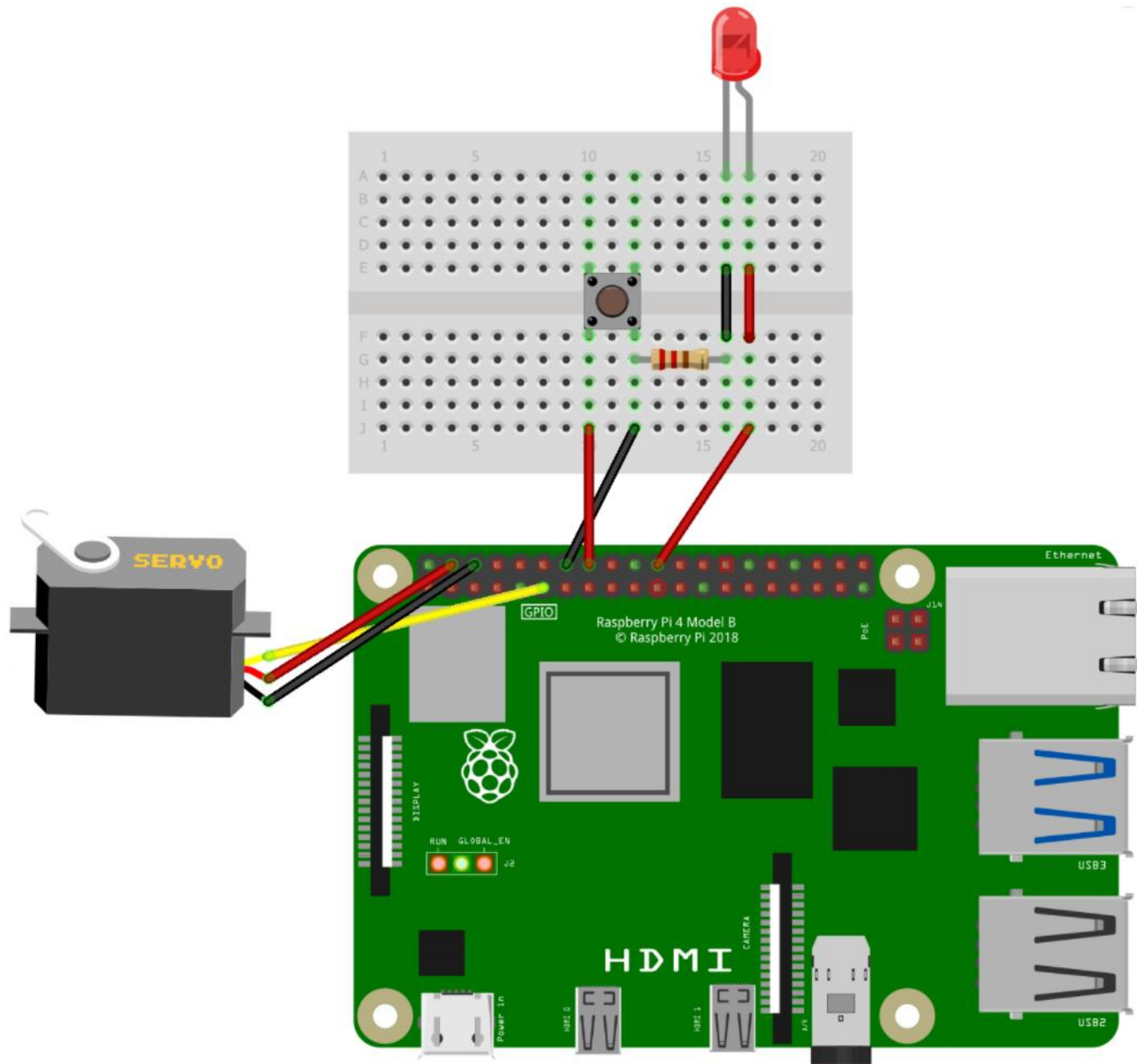
20





3V3 power	1	2	5V power
GPIO 2 (SDA)	3	4	5V power
GPIO 3 (SCL)	5	6	Ground
GPIO 4 (GCLK0)	7	8	GPIO 14 (TXD)
Ground	9	10	GPIO 15 (RXD)
GPIO 17	11	12	GPIO 18 (PCM_CLK)
GPIO 27	13	14	Ground
GPIO 22	15	16	GPIO 23
3V3 power	17	18	GPIO 24
GPIO 10 (MOSI)	19	20	Ground
GPIO 9 (MISO)	21	22	GPIO 25
GPIO 11 (SCLK)	23	24	GPIO 8 (CE0)
Ground	25	26	GPIO 7 (CE1)
GPIO 0 (ID_SD)	27	28	GPIO 1 (ID_SC)
GPIO 5	29	30	Ground
GPIO 6	31	32	GPIO 12 (PWM0)
GPIO 13 (PWM1)	33	34	Ground
GPIO 19 (PCM_FS)	35	36	GPIO 16
GPIO 26	37	38	GPIO 20 (PCM_DIN)
Ground	39	40	GPIO 21 (PCM_DOUT)

40 GPIO Pins Description of Raspberry Pi 5



fritzing