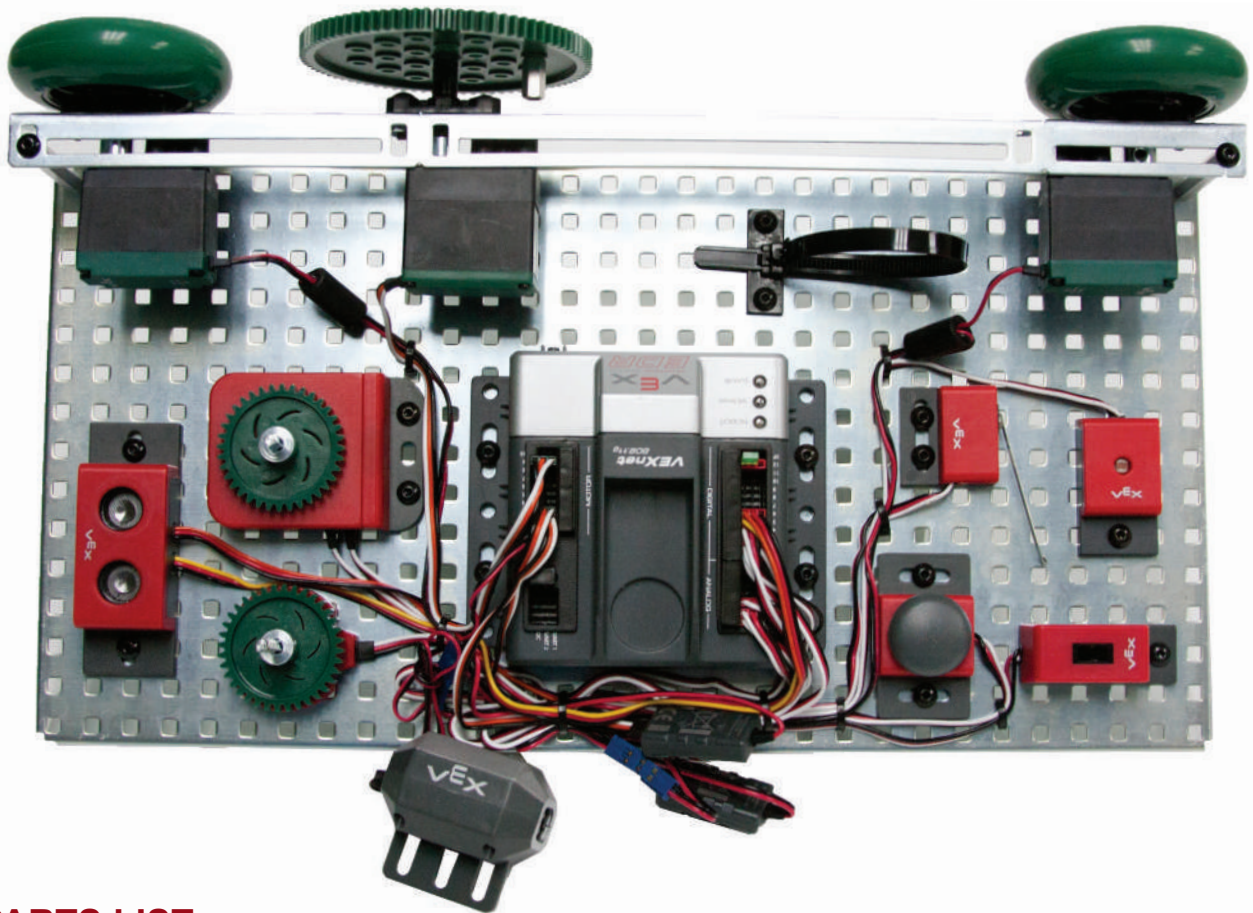




PARTS LIST

MATERIALS	QUANTITY	MATERIALS	QUANTITY
BASEPLATE	1	SHAFT COLLAR	8
VEX CORTEX	1	BATTERY STRAP	1
SCREW, 8/32" x 3/4" LONG	10	SLOTTED ANGLE	1
SCREW, 8/32" x 1/2" LONG	16	DELTRIN BEARING	3
SCREW, 6/32" x 3/4" LONG	3	2 WIRE MOTOR (269)	2
SCREW, 6/32" x 1/2" LONG	3	3 WIRE MOTOR (SERVO)	1
NUT, 8-32	26	SPACER	4
BUMP SWITCH	1	2.75" WHEEL	2
LIMIT SWITCH	1	84 TOOTH GEAR	1
LINE TRACKER	1	1/2" STANDOFF	2
POTENTIOMETER	1	2" STANDOFF	2
ENCODER	1	BATTERY	1
ULTRASONIC RANGE FINDER	1	GREEN LED LIGHT	1
LIGHT SENSOR	1	FLASHLIGHT	1
2" DRIVE SHAFT	5	MOTOR CONTROLLER	2
36 TOOTH GEAR	2		



Base Plate



Cortex

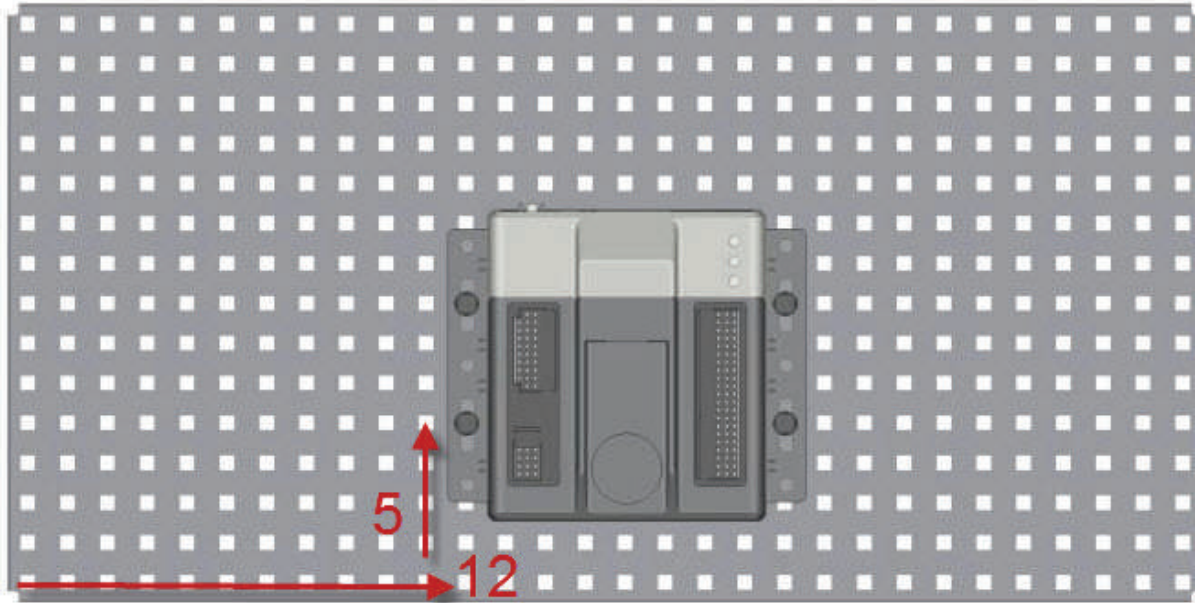


3/4"

x4



x4



Note: Unless otherwise stated, the screw size is 8/32"



Bump Switch

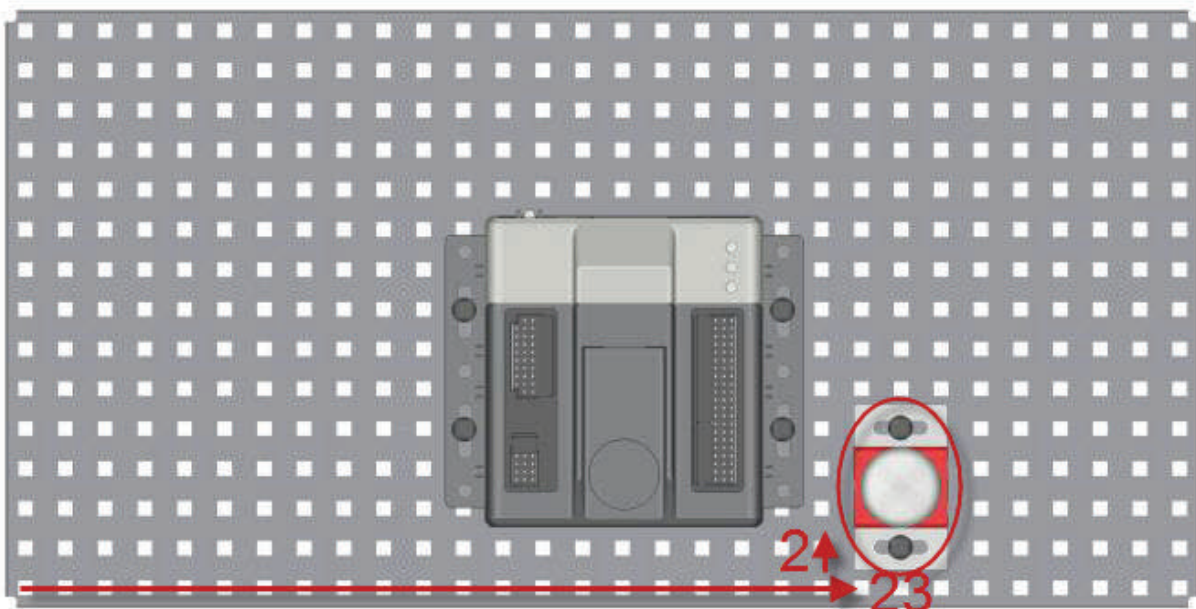


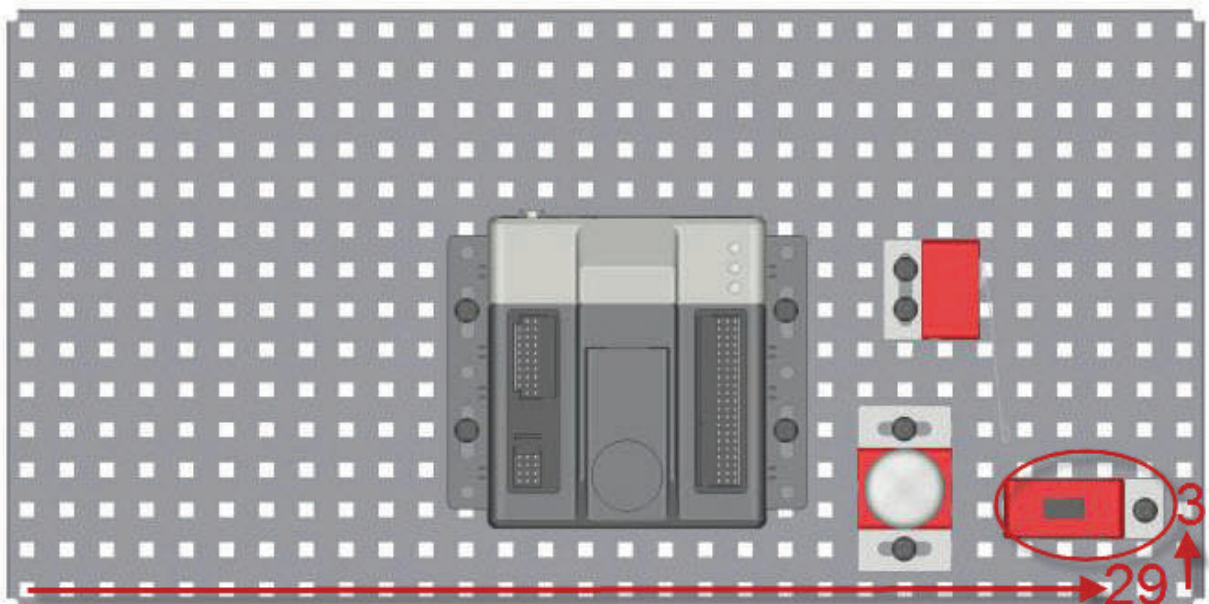
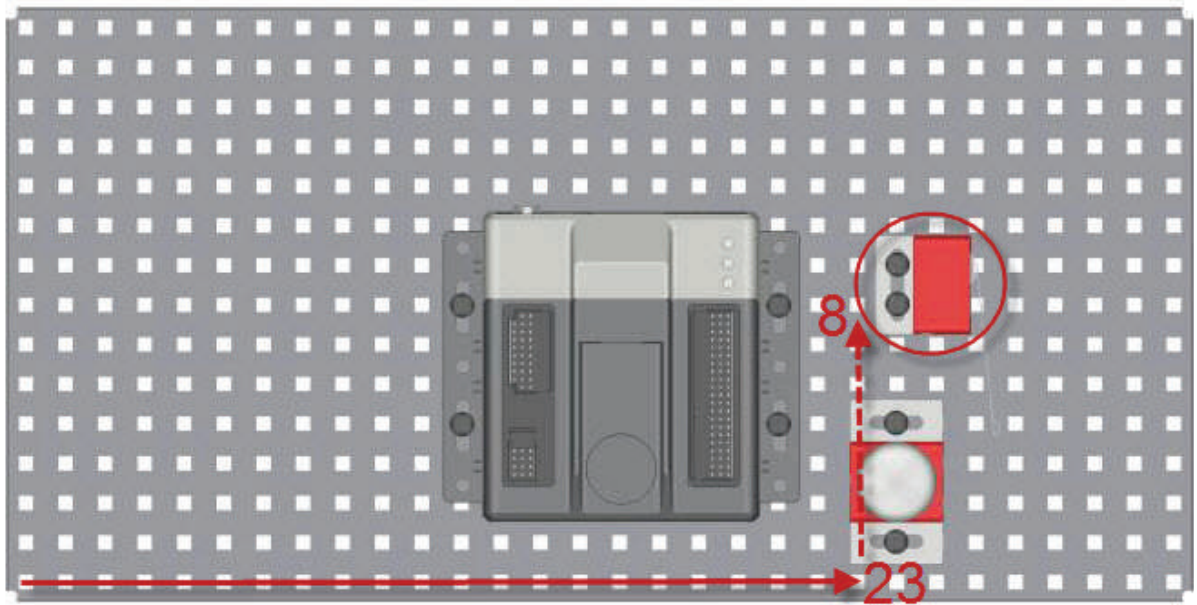
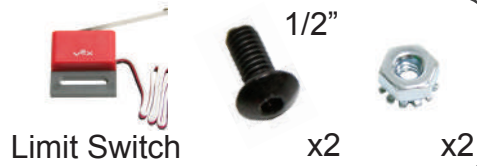
1/2"

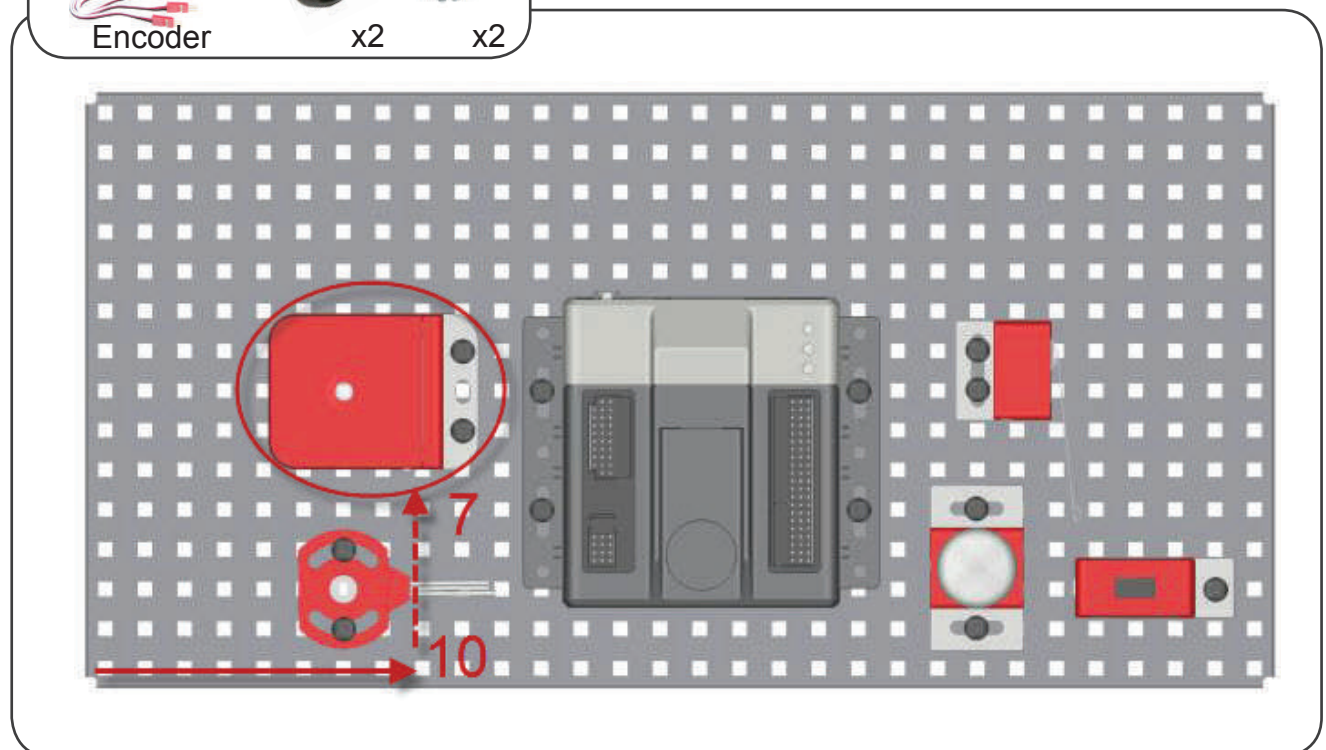
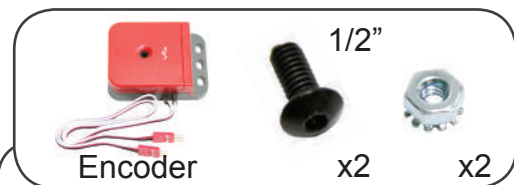
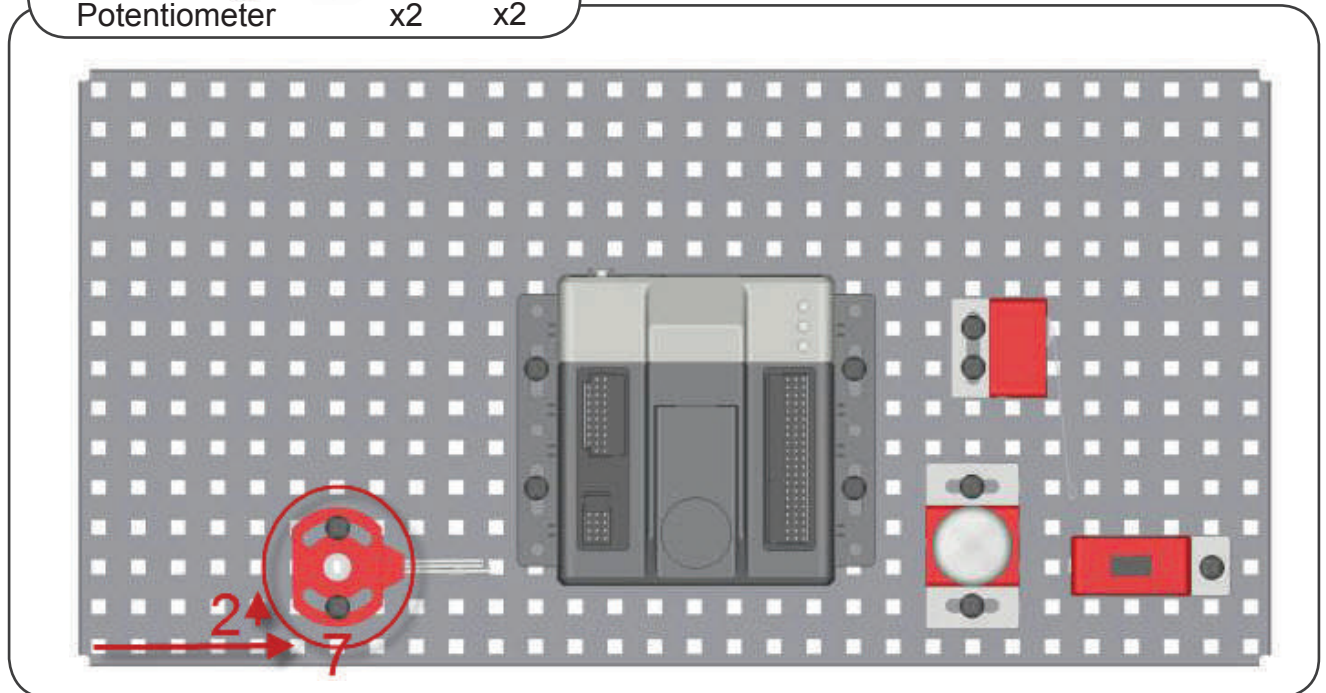
x2

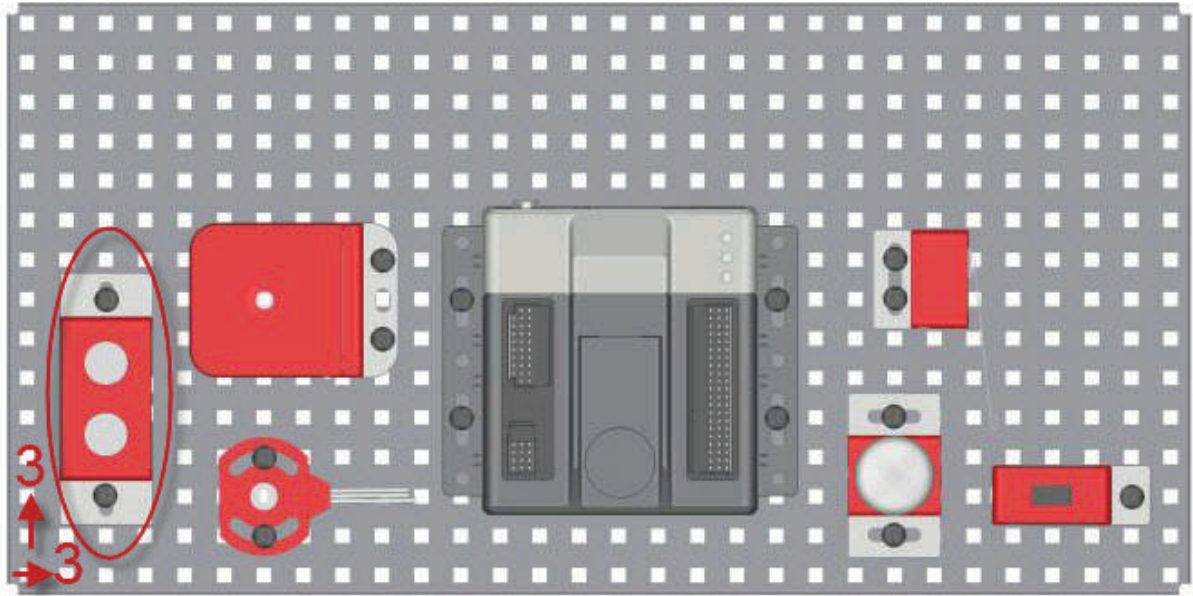
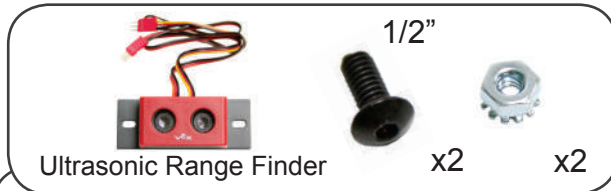


x2

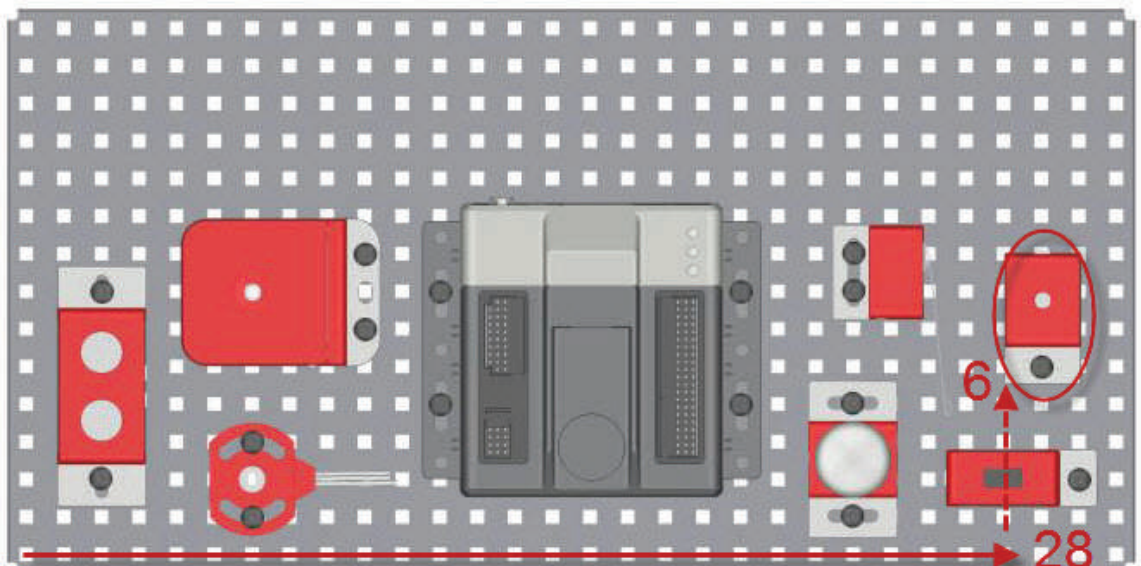
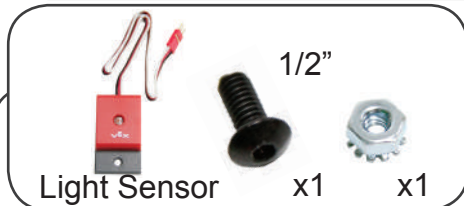


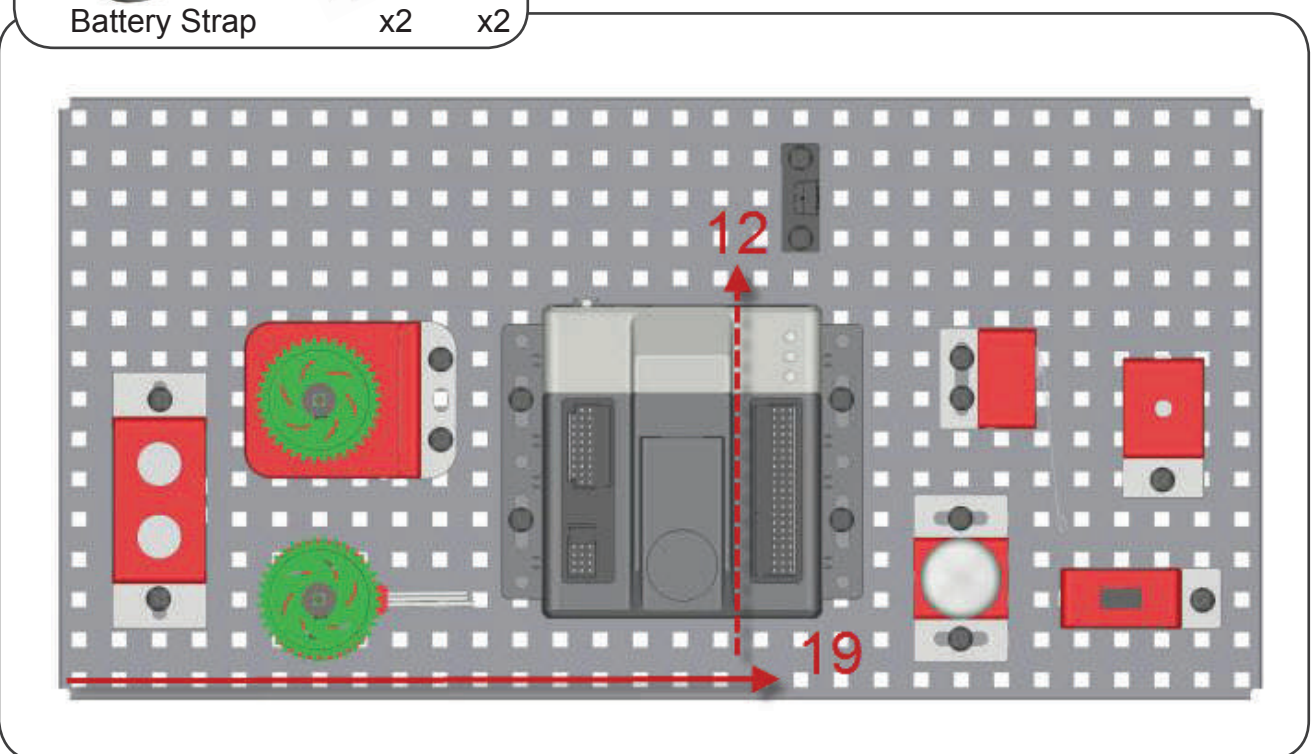
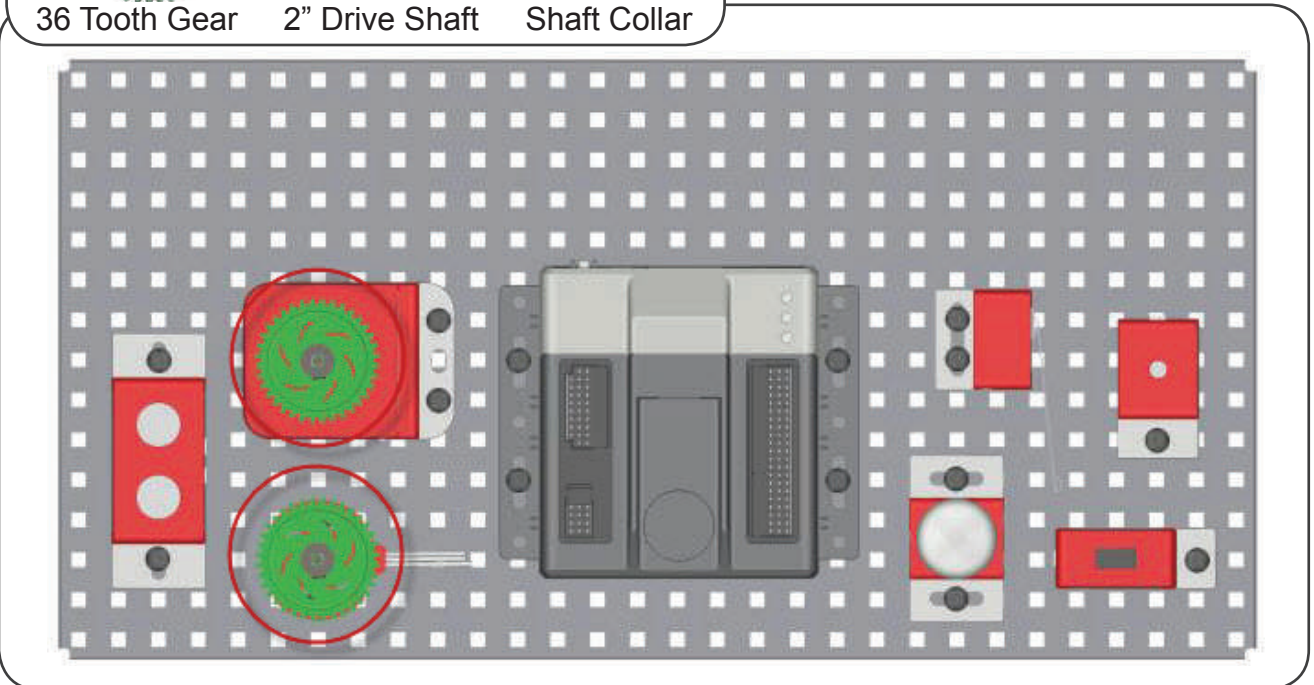


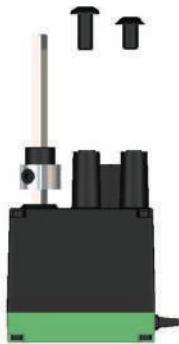
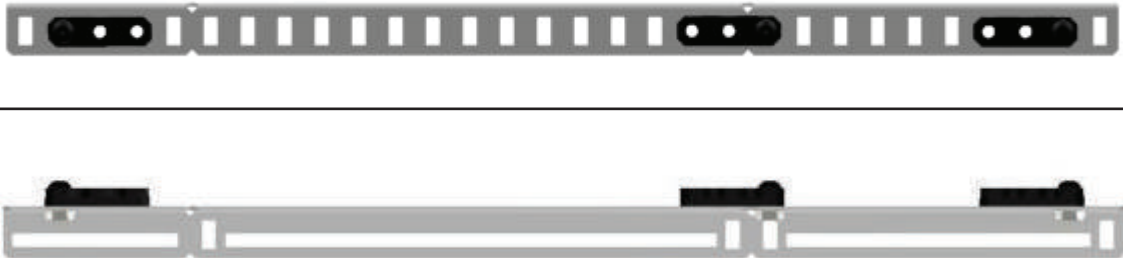


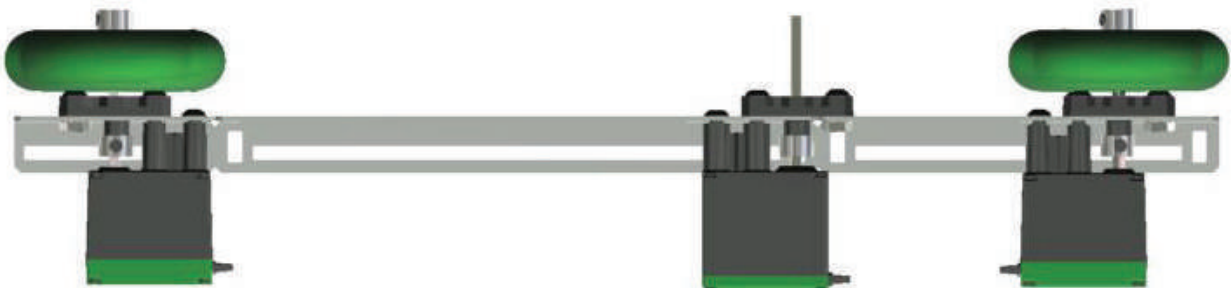
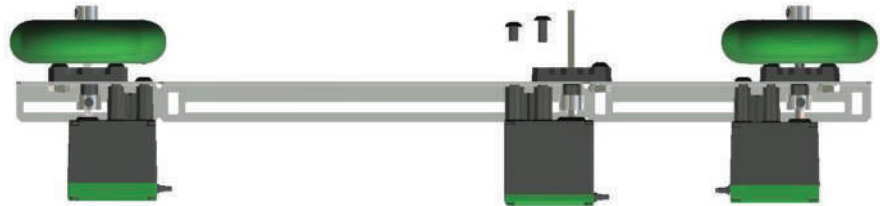


Note: Only one ULTRASONIC RANGE FINDER & LIGHT SENSOR per 4 students. Students should partner with another team of 2 to test components.









Note: Only one 3-WIRE (SERVO) MOTOR per 4 students. Students should partner with another team of 2 to test components.

