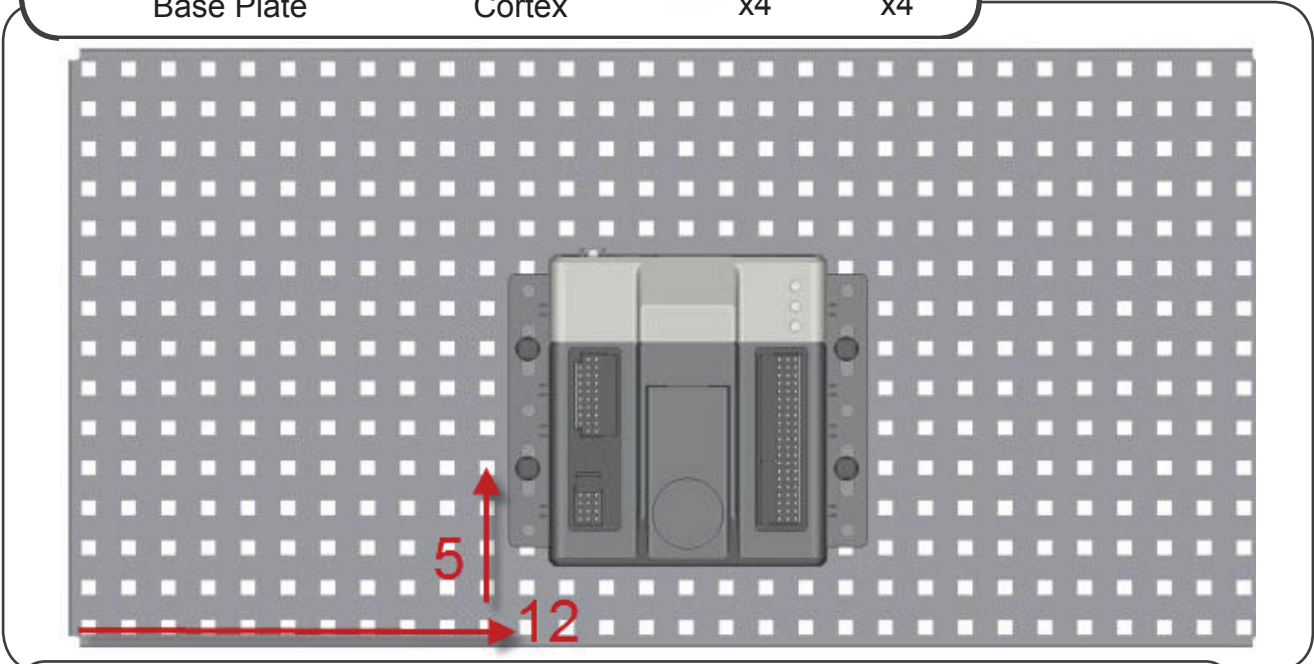
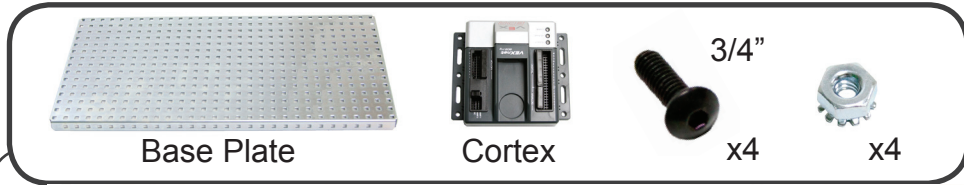
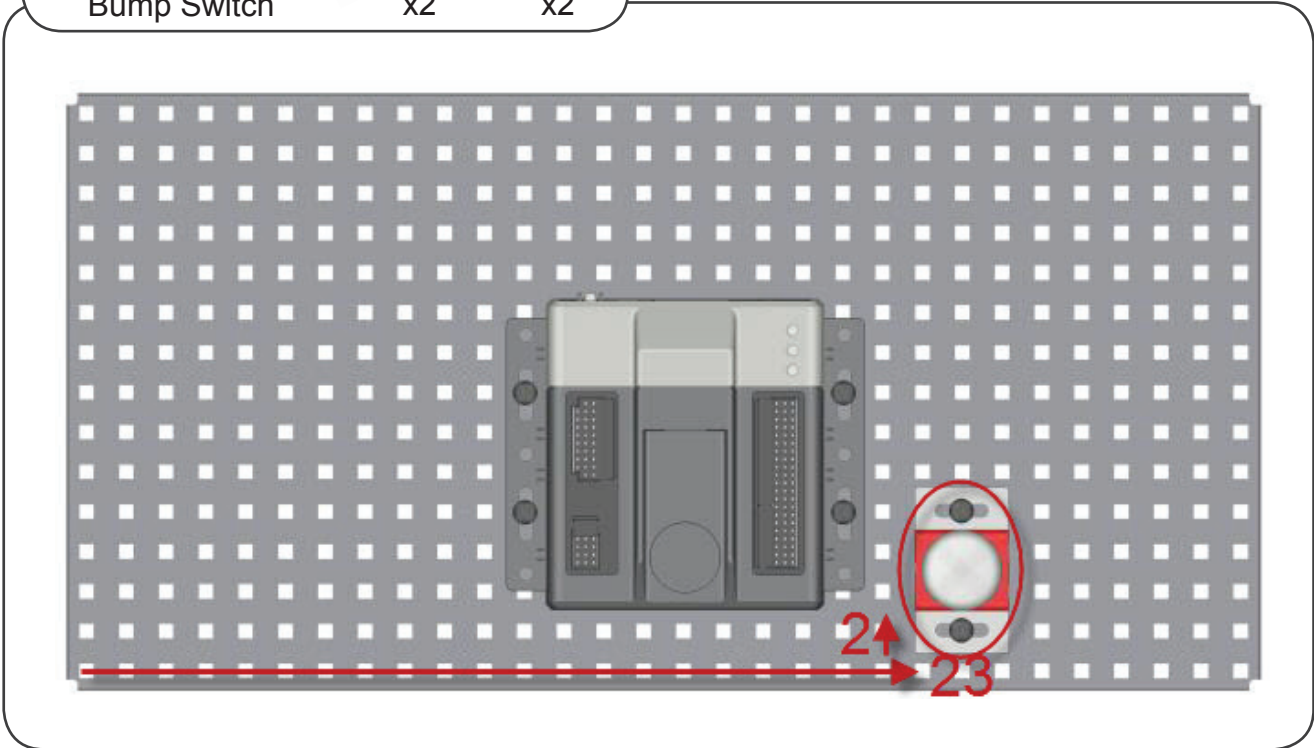
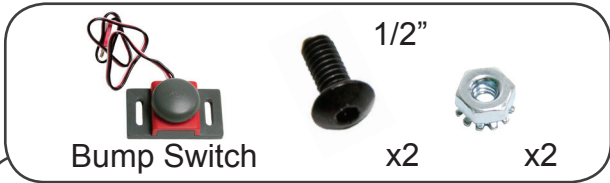


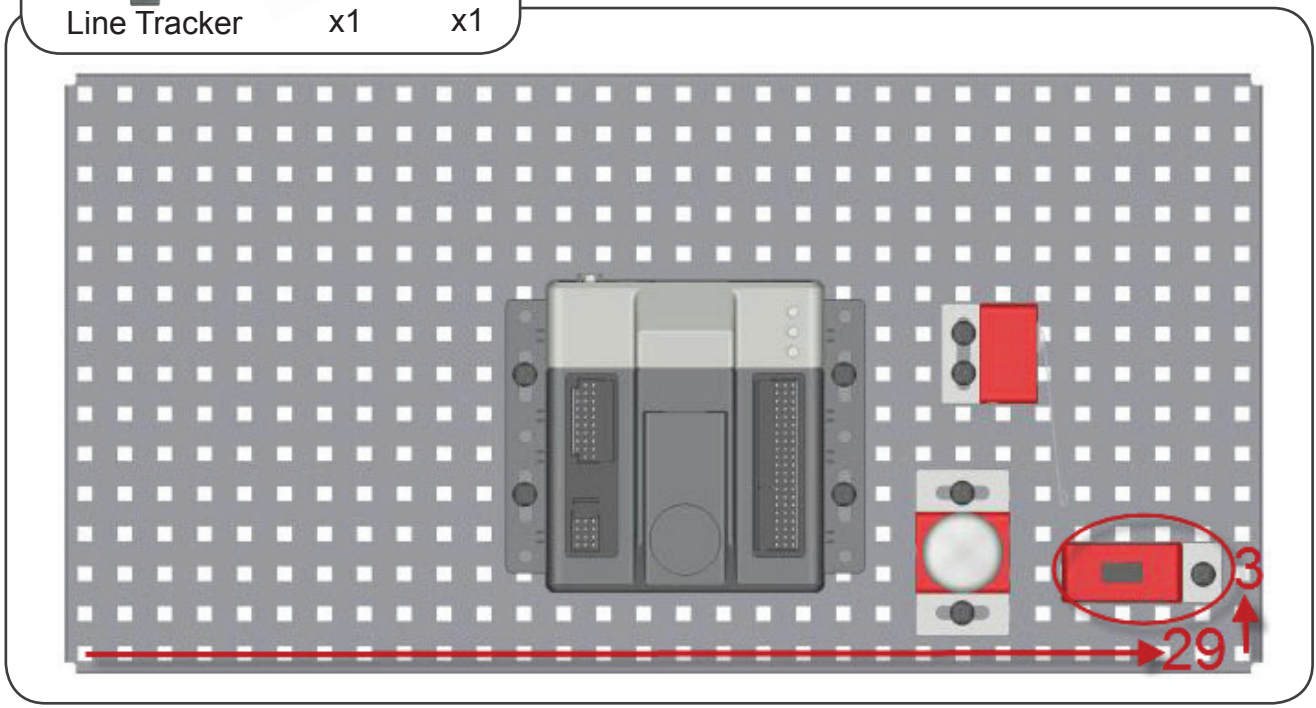
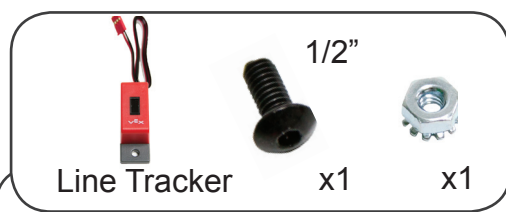
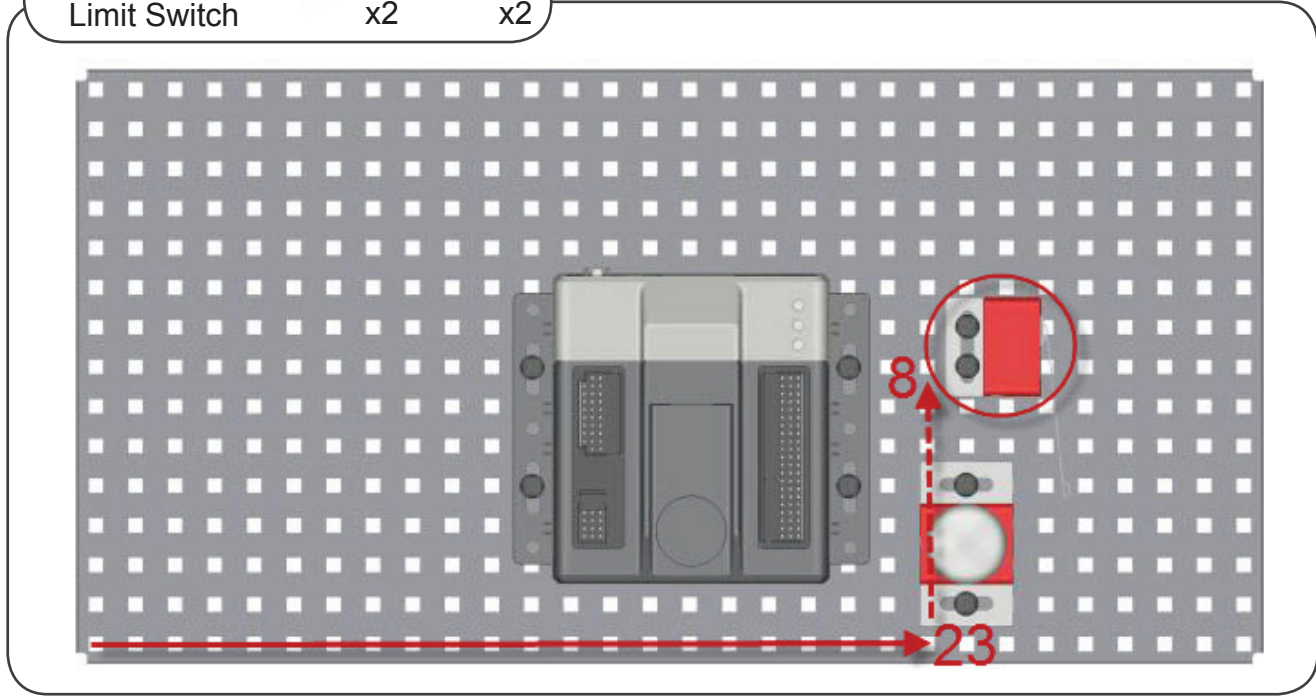
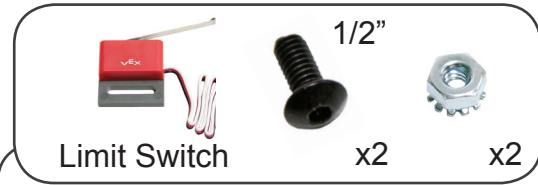
PARTS LIST

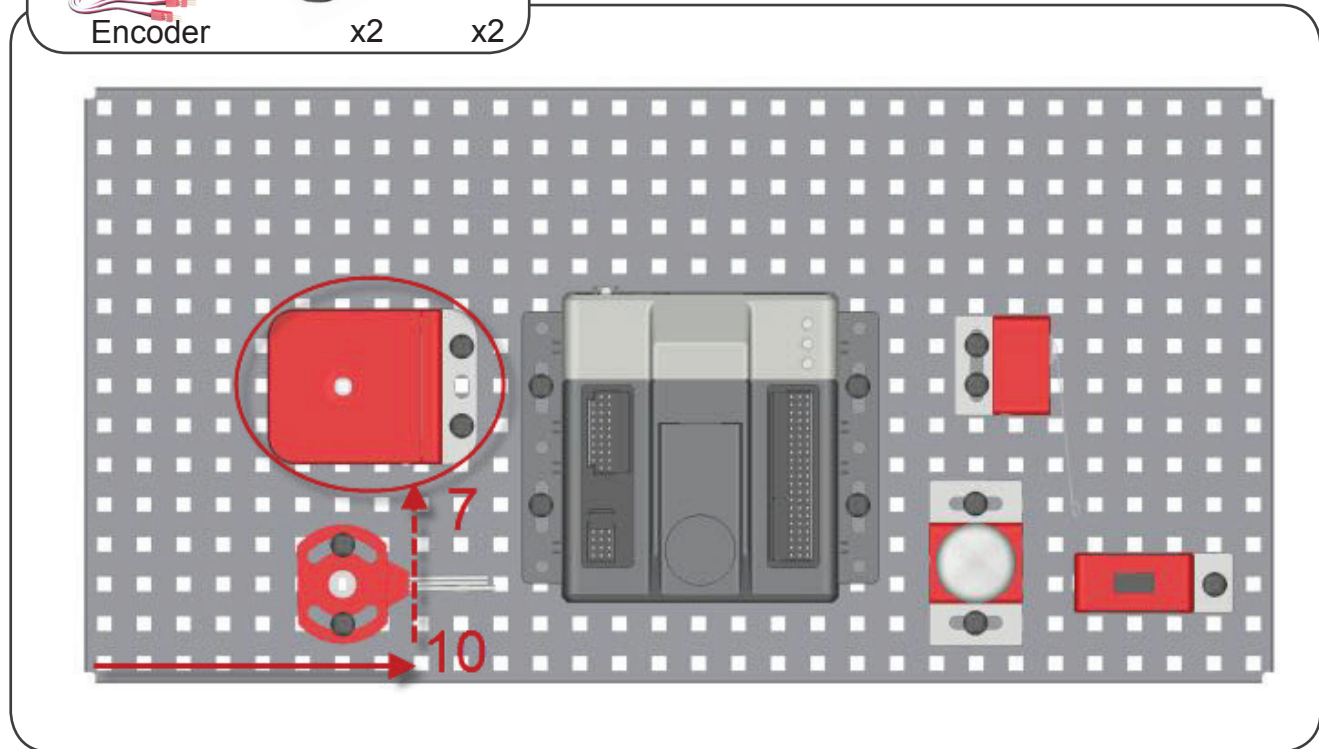
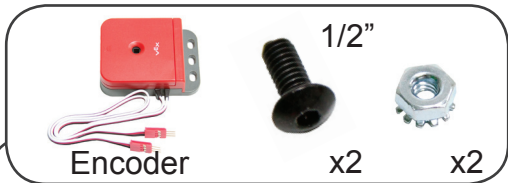
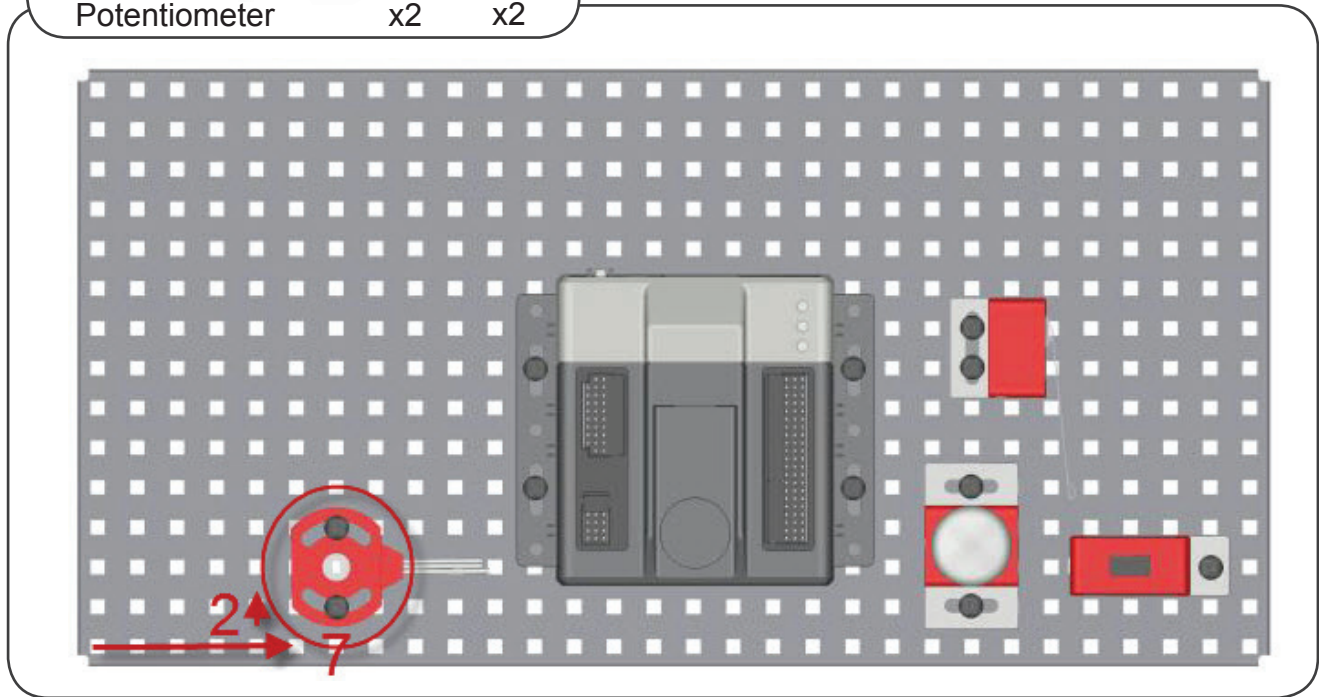
| MATERIALS | QUANTITY | MATERIALS | QUANTITY |
|-------------------------|----------|---------------------------|----------|
| BASEPLATE | 1 | SHAFT COLLAR | 8 |
| VEX CORTEX | 1 | BATTERY STRAP | 1 |
| SCREW, 8-32 x 3/4" LONG | 10 | SLOTTED ANGLE | 1 |
| SCREW, 8-32 x 1/2" LONG | 16 | DELRIN BEARING | 3 |
| SCREW, 6-32 x 3/4" LONG | 3 | 2 WIRE MOTOR (269 or 393) | 2 |
| SCREW, 6-32 x 1/2" LONG | 3 | 3 WIRE SERVO MOTOR | 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 | | |

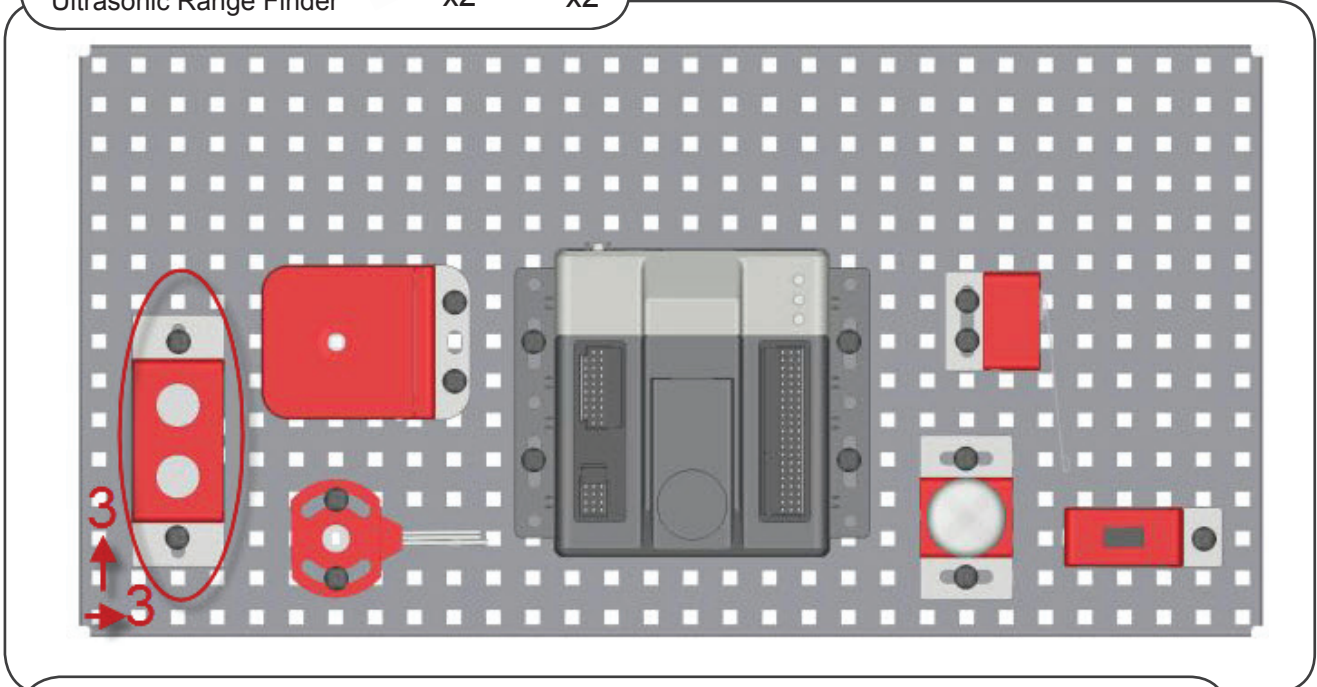
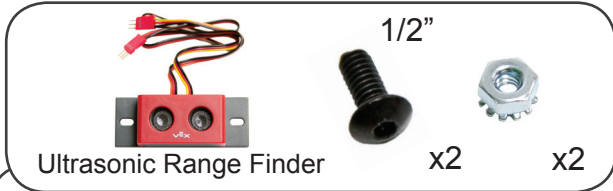


Note: Unless otherwise stated, the screw size is 8/32"

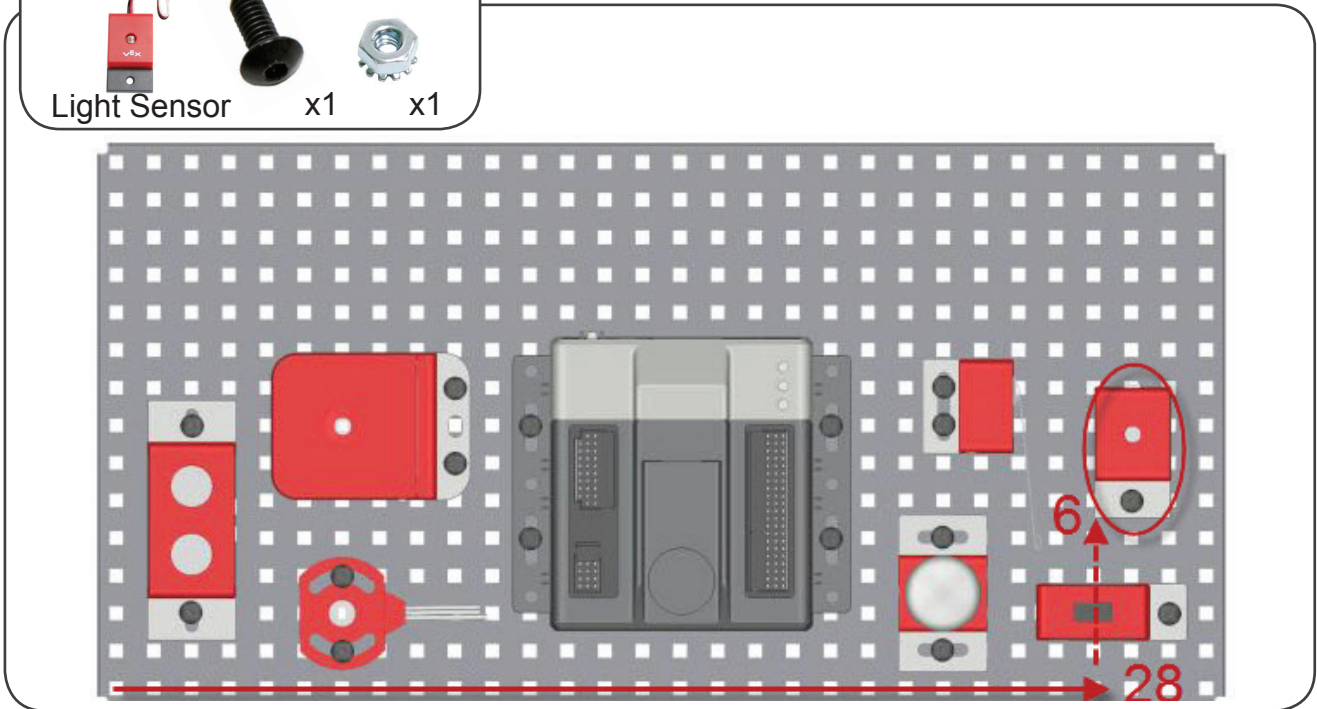
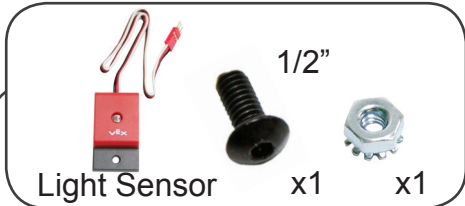


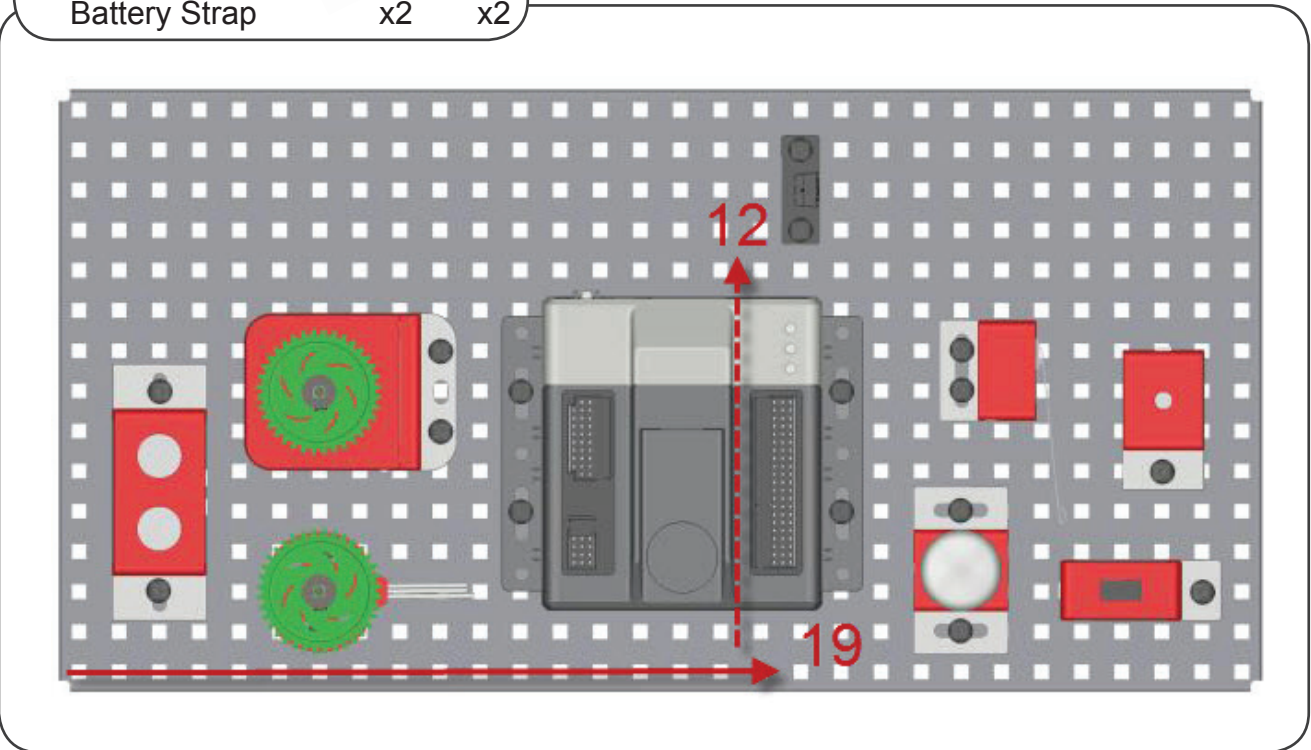
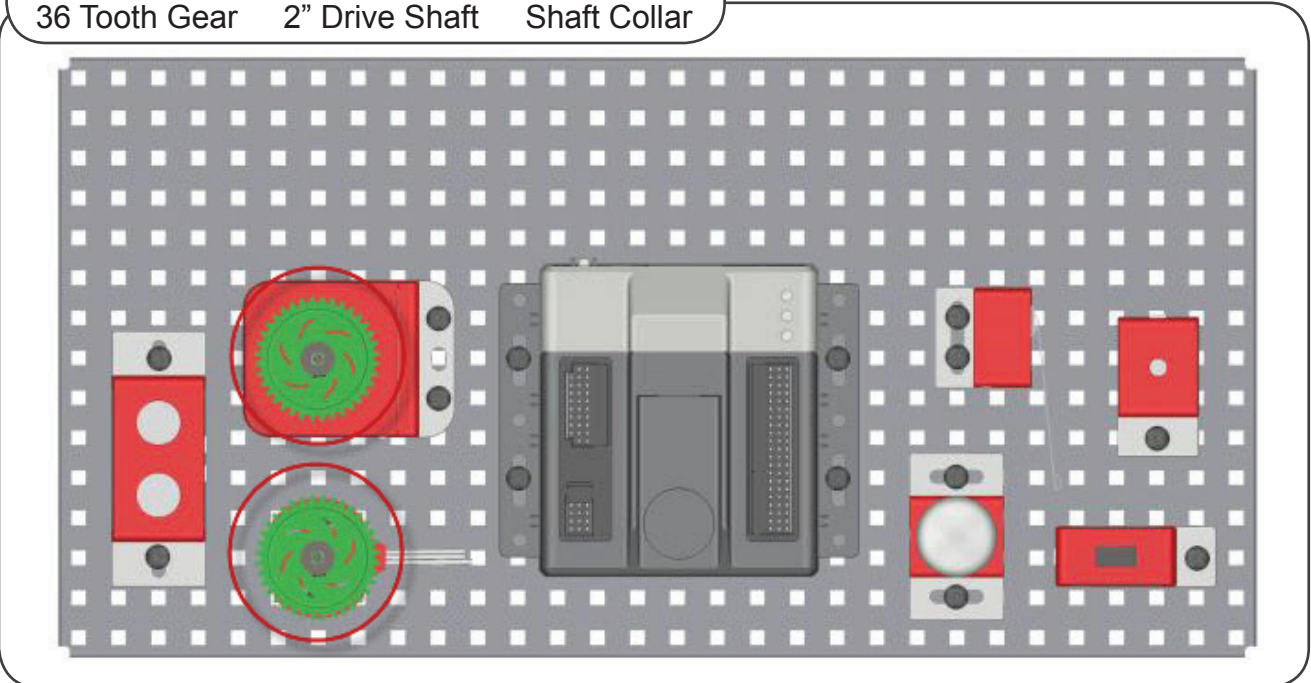


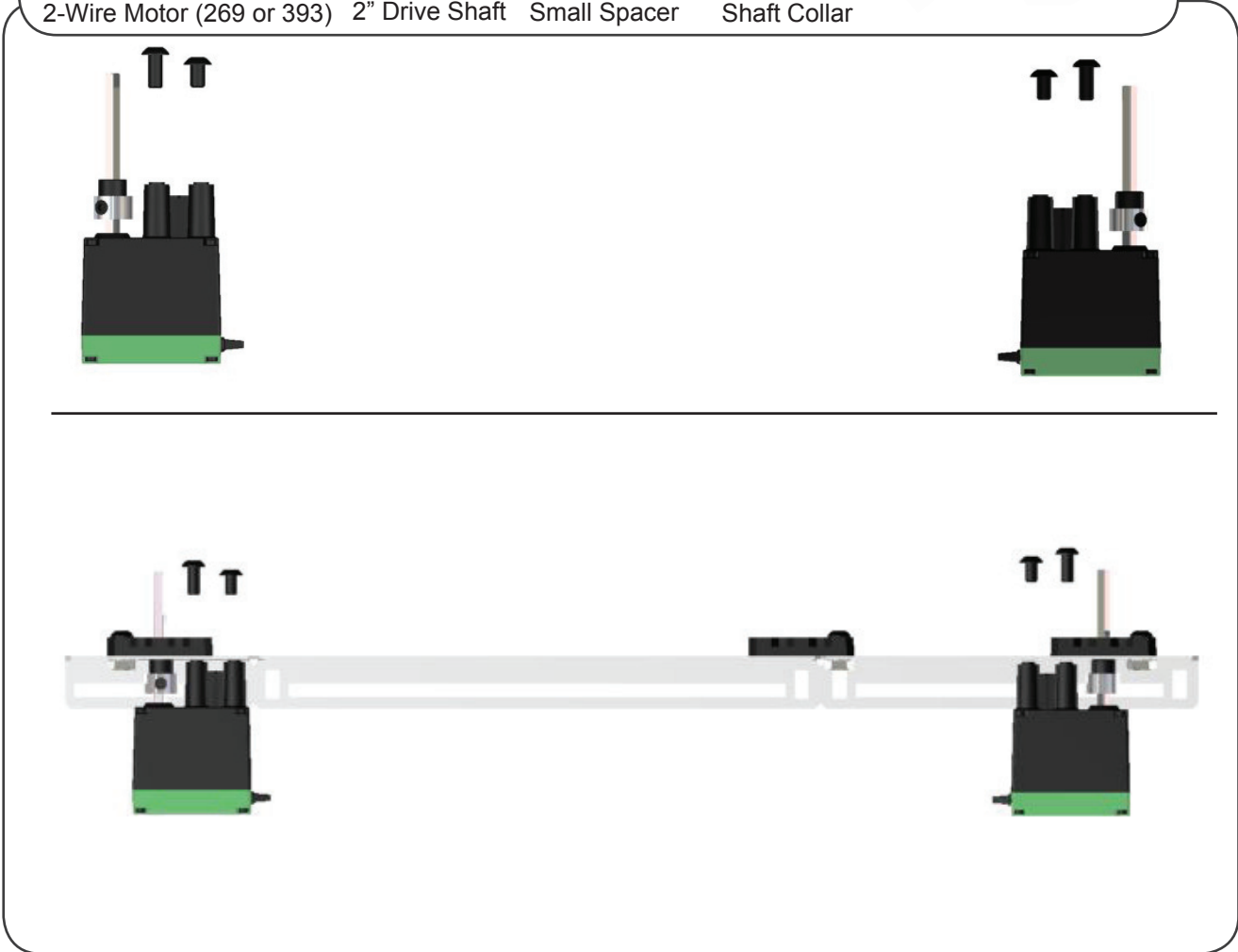
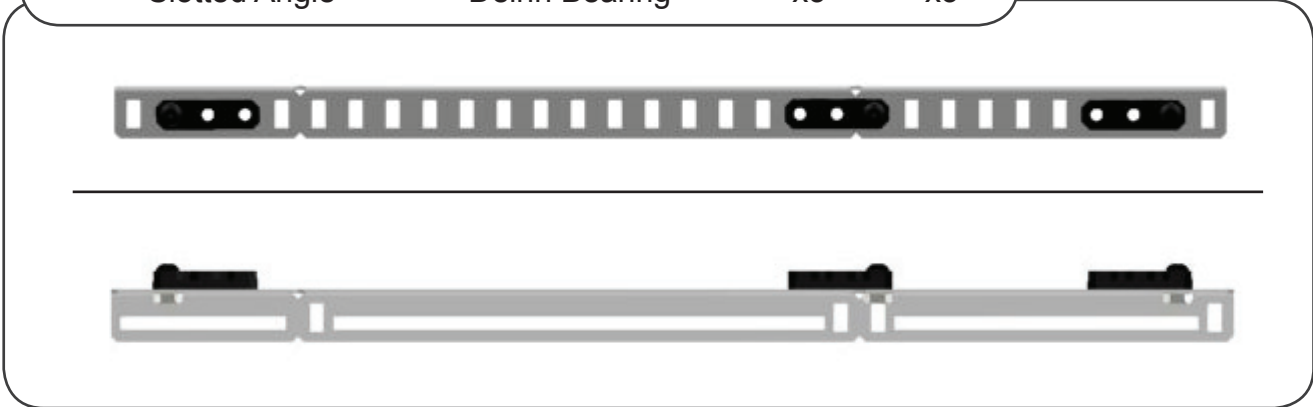




Note: Only one ULTRASONIC RANGE FINDER & LIGHT SENSOR per 4 students. Students should partner with another team of 2 to test components.









x2

2.75" Wheel



x2

Shaft Collar



3-Wire Servo Motor



2" Drive Shaft

x1



Small Spacer

x1



Shaft Collar

6-32 x 1/2"

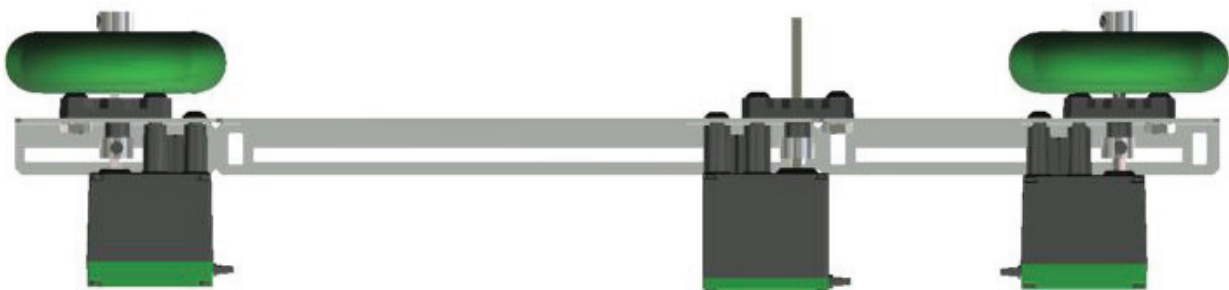
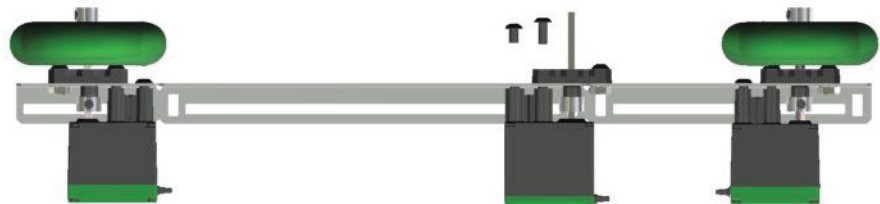
6-32 x 3/4"



x1



x1



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

