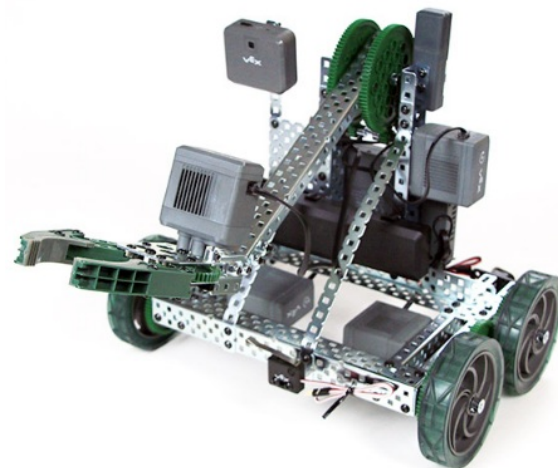


## Contents [ [hide](#) ]

- [1 VEX V5 Control System](#)
- [2 Specifications](#)
- [3 Product Usage Instructions](#)
- [4 FAQs](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)



## VEX V5 Control System



## Specifications

- Model Number: 276-6009-750
- Product Name: Clawbot Build Instructions
- Parts List:
  - Various nuts, bolts, gears, wheels, wires, and structural components

- Not all parts are to scale

## **Product Usage Instructions**

### **Assembly Instructions**

1. Refer to the provided parts list and ensure you have all the necessary components.
2. Begin by assembling the structure components following the provided guidelines.
3. Attach gears and wheels as per the assembly diagram.
4. Secure all parts using the included nuts and bolts.
5. Double-check all connections and fastenings for stability.

### **Usage Guidelines**

Once assembled, the Clawbot can be operated using the V5 Control System. Follow these steps:


1. Connect the V5 Control System to the Clawbot as per the system manual.
2. Power on the Clawbot and the control system.
3. Use the controller to maneuver the Clawbot as desired.
4. Ensure all movements are smooth and the Clawbot responds correctly to commands.

### **Parts List**


- All V5 Control System. gears, wheels, wires. and the structure is not to scale
- All other parts listed are 1:1 scale


 **30x 8-32 Nut**  
276-1028-001

 **30x 8-32 x 0.375 in**  
276-4991-001

 **4x 8-32 x 0.5 in**  
Locking  
276-5007-001

 **2x 8-32 x 1 in**  
276-4996-001


 **6x 8-32 x 1.5 in Locking**  
276-6009-007

 **8x 0.125 in**  
276-5912-001


 **4x 0.375 in**  
276-5914-001

 **3x 0.5 in**  
276-5915-001


 **2x 0.875 in**  
276-5918-001

 **23x 228-2500-143**

 **10x 276-2250-005**


 **1x 276-2250-007**

 **6x 228-3943-086**


 **2x 276-2232-029**

 **5x 276-1209-001**

 **5x 276-6009-004**

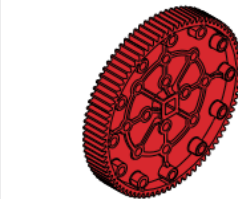
 **7x 276-6009-005**

 **15x 276-6009-003**

 **2x 276-6020-001**

 **1x 12T**  
276-6010-011

 **1x 12T Pinion**  
276-2250-008



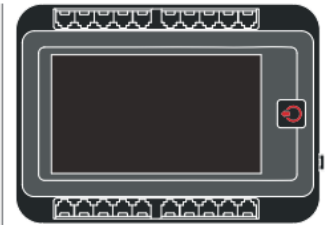
**1x 84T** 276-3438-331

**3x 228-2500-124**

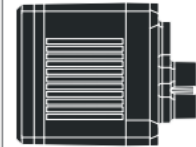
**1x 228-2500-123**

**2x 228-2500-122**

**3x 228-2500-120**



**1x 276-4810**



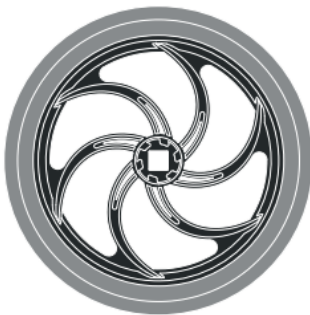
**4x 276-4840**



**1x 276-4811**



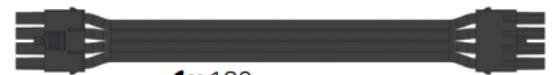
**1x 276-4831**



**2x 276-6299-000**



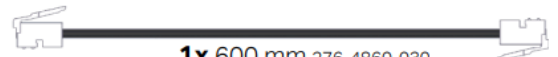
**2x 276-6298-000**



**1x 180 mm 276-4817-100**



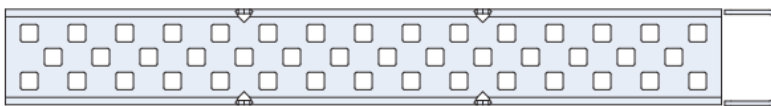
**3x 300 mm 276-4860-020**



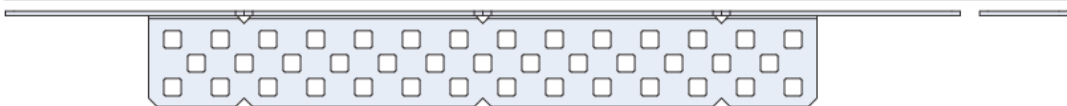
**1x 600 mm 276-4860-030**



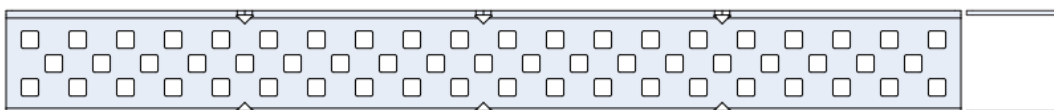
**1x 900 mm 276-4861-010**



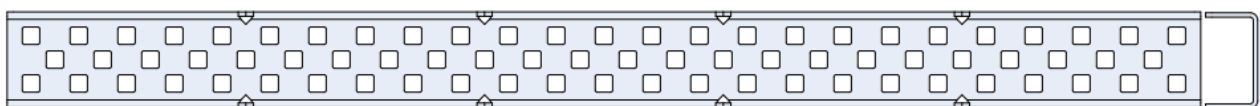
**2x 276-2232-028**



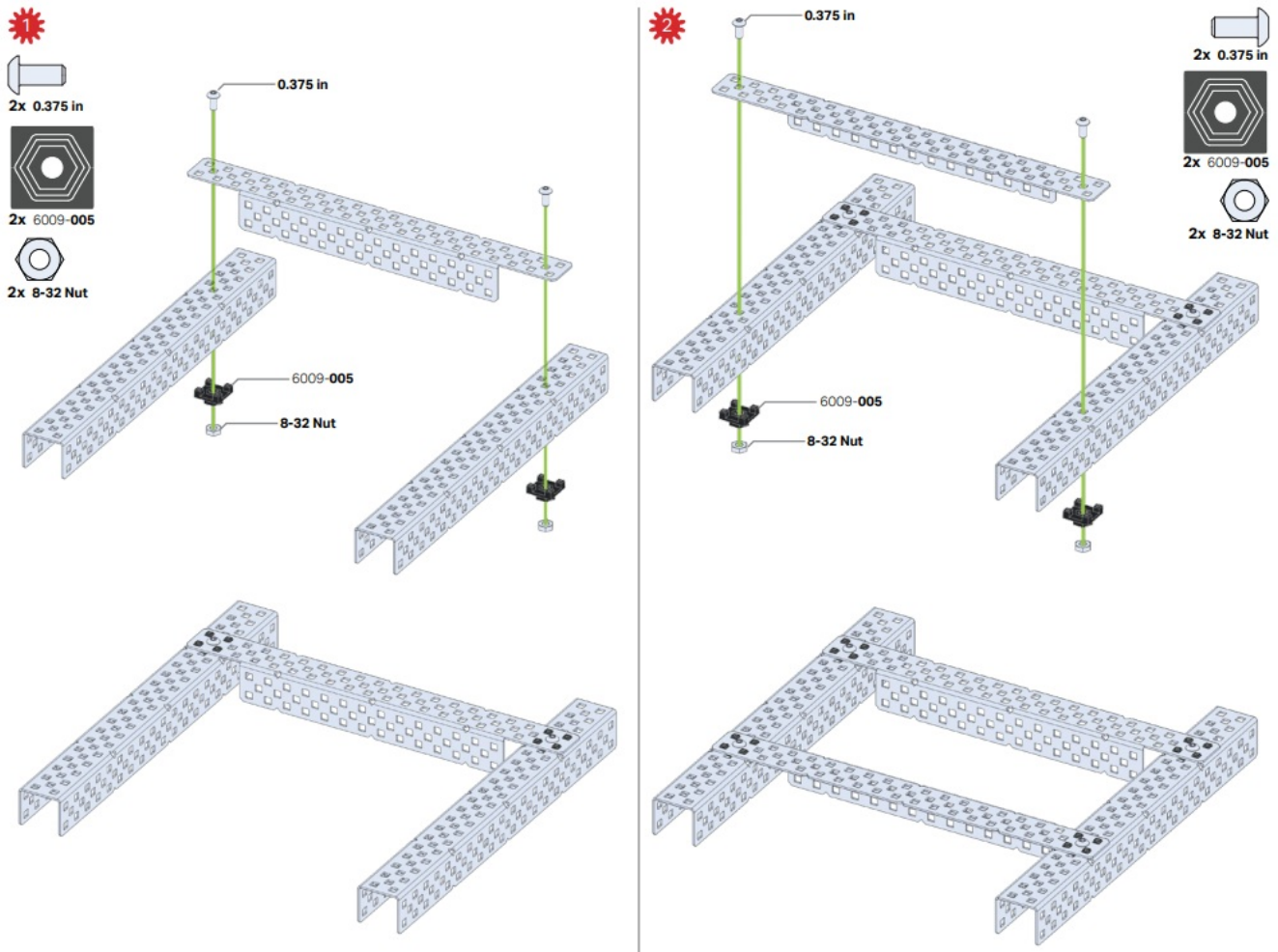
**2x 276-6009-002**



**3x 276-6009-001**



**2x 276-2232-029**



Take your VEX robot to the next level with the V5 System Bundle. This bundle includes everything you need to get started with V5, and is engineered to provide the most advanced robotics experience, right at your fingertips.

- Designed to scale from the classroom to the competition field
- Includes all necessary components to get started with the V5 System
- (4) V5 Smart Motors included
- Scalable programming software suite available with VEXcode

## FAQs


### **Q: Are all parts in the list necessary for assembly?**

A: Yes, all parts listed are essential for building the Clawbot according to the instructions.

### **Q: Can I modify the design of the Clawbot?**

A: While modifications are possible, it is recommended to follow the provided build instructions for optimal performance.

# Documents / Resources

	<p><a href="#">VEX V5 Control System [pdf]</a> Instruction Manual</p> <p>276-6009-750, 276-1028-001, 276-2250-005, 276-2250-007, 276-6010-011, 276-2250-008, 276-4991-001, 276-5007-001, 276-4996-001, 276-6009-007, 276-5912-001, 276-5914-001, 276-5915-001, 276-5918-001, 276-3438-331, 276-4810, 276-4840, 276-4811, 276-4831, 276-6299-000, 276-2232-028, 276-6009-002, 276-6009-001, 276-6298-, V5 Control System, V5, Control System, System</p>
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## References

- [User Manual](#)

■ VEX

◆ 276-1028-001, 276-2232-028, 276-2250-005, 276-2250-007, 276-2250-008, 276-3438-331, 276-4810, 276-4811, 276-4831, 276-4840, 276-4991-001, 276-4996-001, 276-5007-001, 276-5912-001, 276-5914-001, 276-5915-001, 276-5918-001, 276-6009-001, 276-6009-002, 276-6009-007, 276-6009-750, 276-6010-011, 276-6298-, 276-6299-000, Control System, System, V5, V5 Control System, VEX

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