

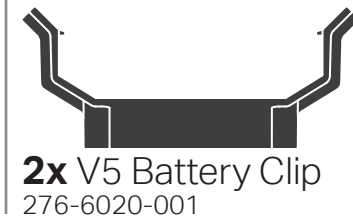
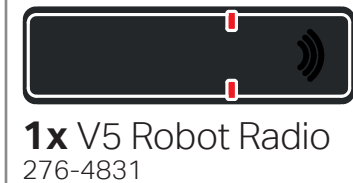
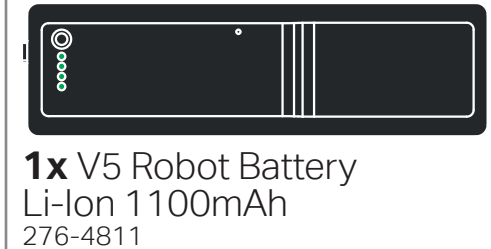
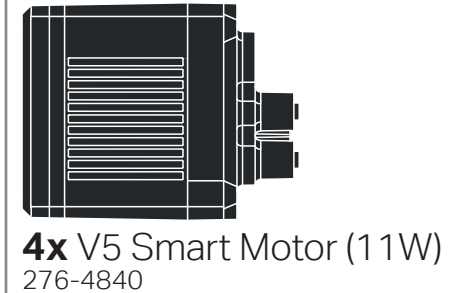
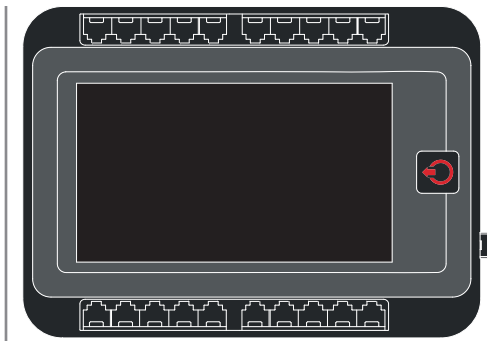
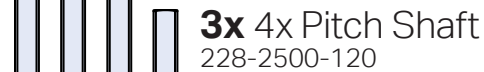
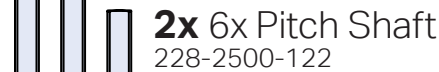
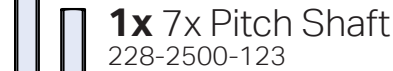
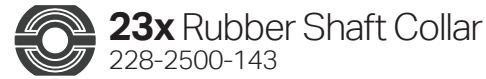
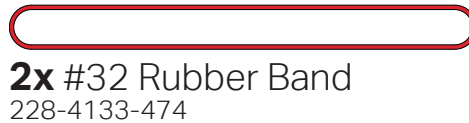
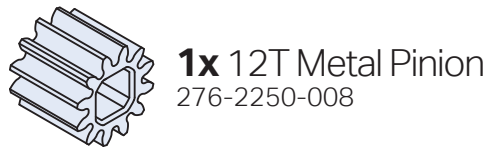
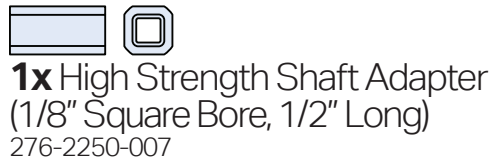
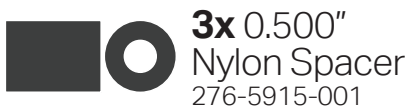
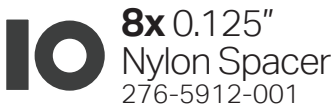
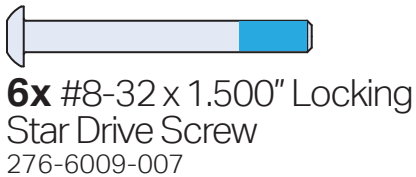
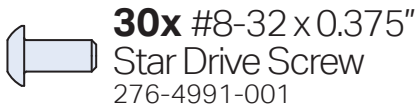
Clawbot Build Instructions

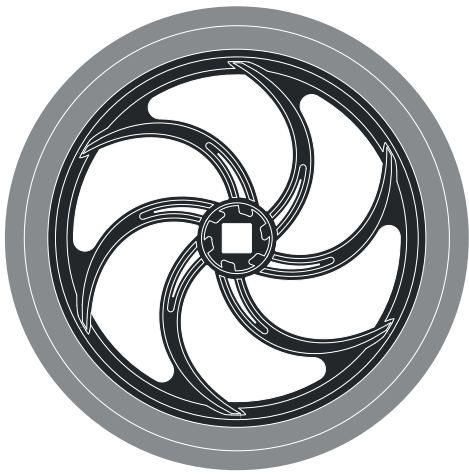


276-6009-750

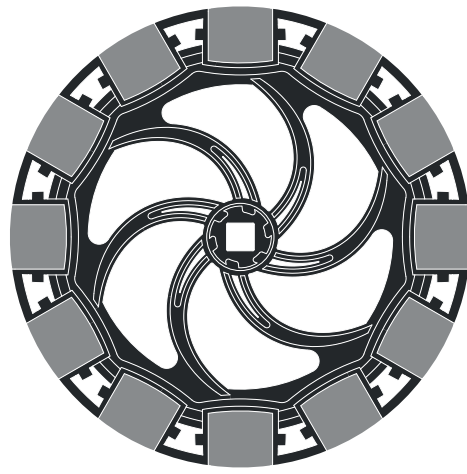
Parts List

All V5 Control System, gears, wheels, wires, and structure are not to scale
All other parts listed are 1:1 scale.
Hacksaw is required, ask a parent/mentor for help.





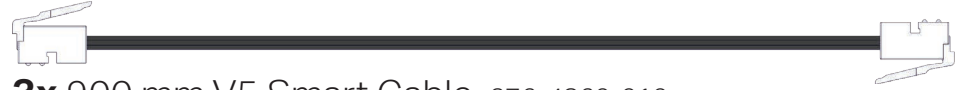
2x 4" Wheel
276-6299-000



2x 4" Omni-Directional Wheel
276-6298-000



1x 180 mm V5 Power Cable 276-4817-100



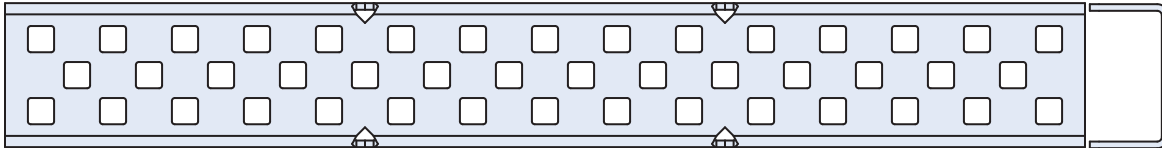
3x 900 mm V5 Smart Cable 276-4860-010



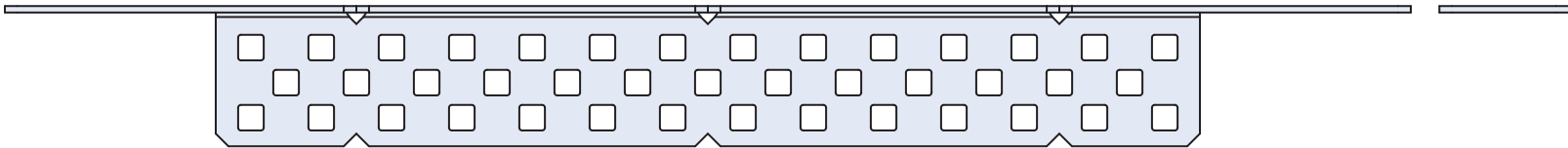
1x 600 mm V5 Smart Cable 276-4860-030



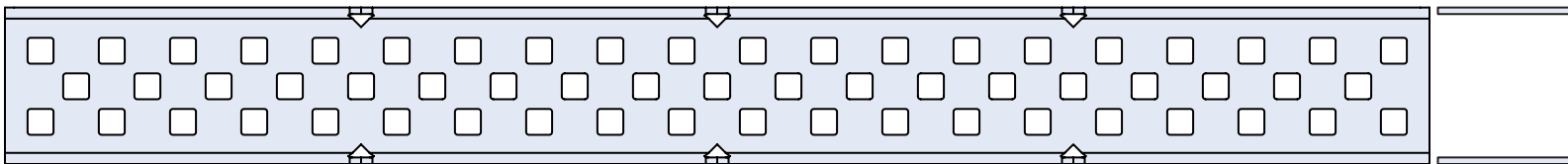
1x 300 mm V5 Smart Cable 276-4861-020



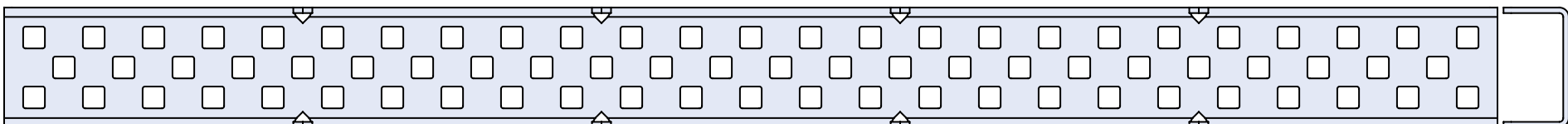
2x C-Channel 1x2x1x15 276-2232-028



2x Angle 2x2x14x20 276-6009-002

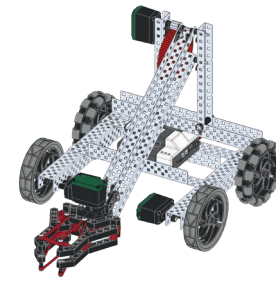


3x U-Channel 2x2x2x20 276-6009-001



2x C-Channel 1x2x1x25 276-2232-029

For build instructions using the
Cortex System Bundle, please visit:
www.vexrobotics.com/v5/downloads/build-instructions



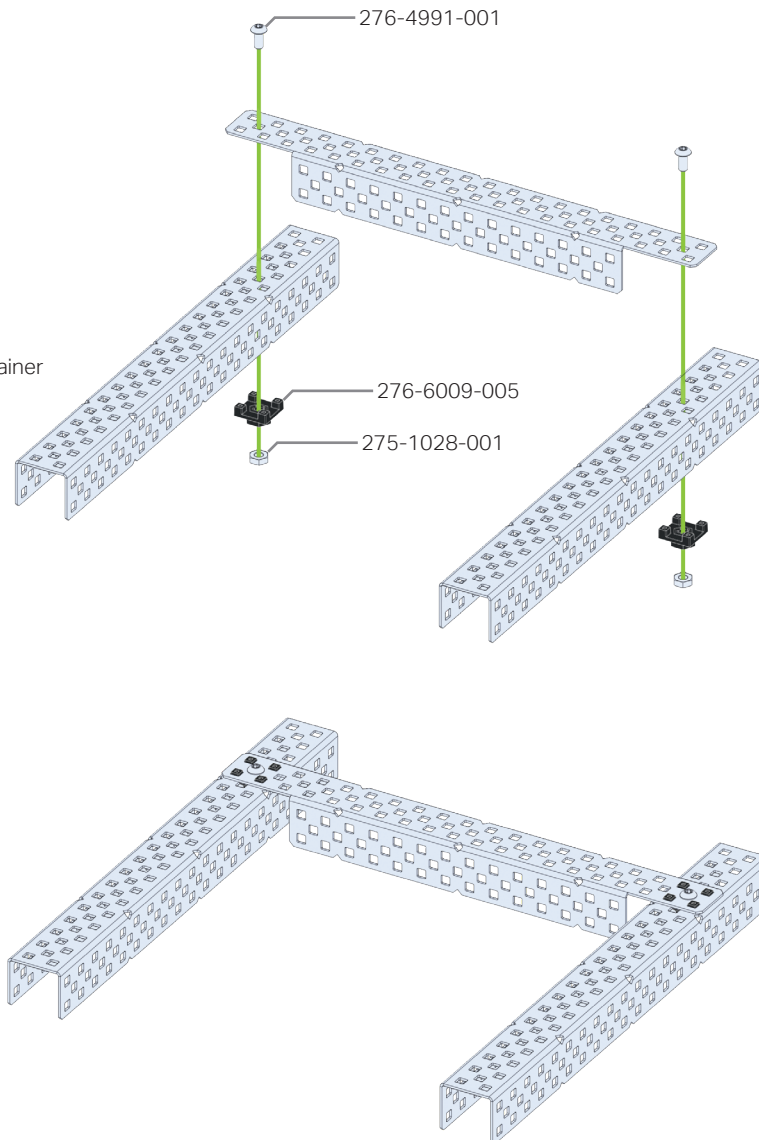
2x #8-32 x 0.375"
Star Drive Screw
276-4991-001



2x 4-Post Hex Nut Retainer
276-6009-005



2x #8-32 Hex Nut
275-1028-001



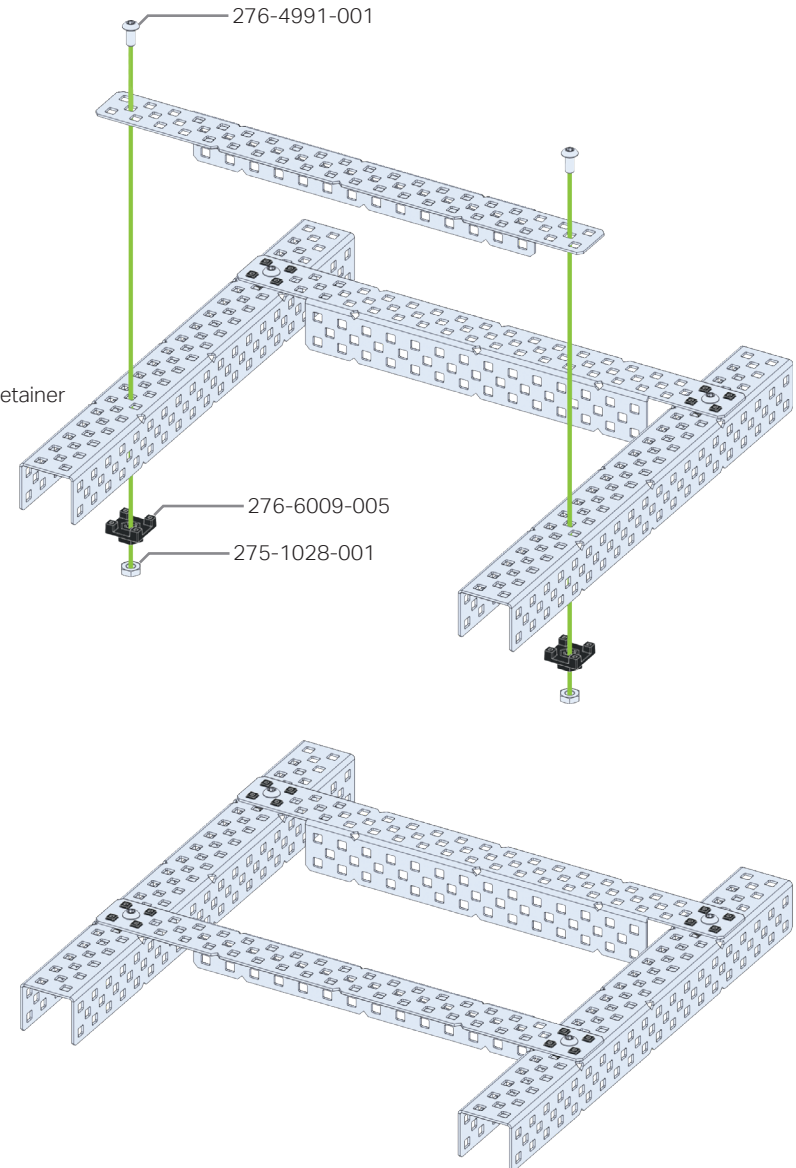
2x #8-32 x 0.375"
Star Drive Screw
276-4991-001



2x 4-Post Hex Nut Retainer
276-6009-005



2x #8-32 Hex Nut
275-1028-001



3



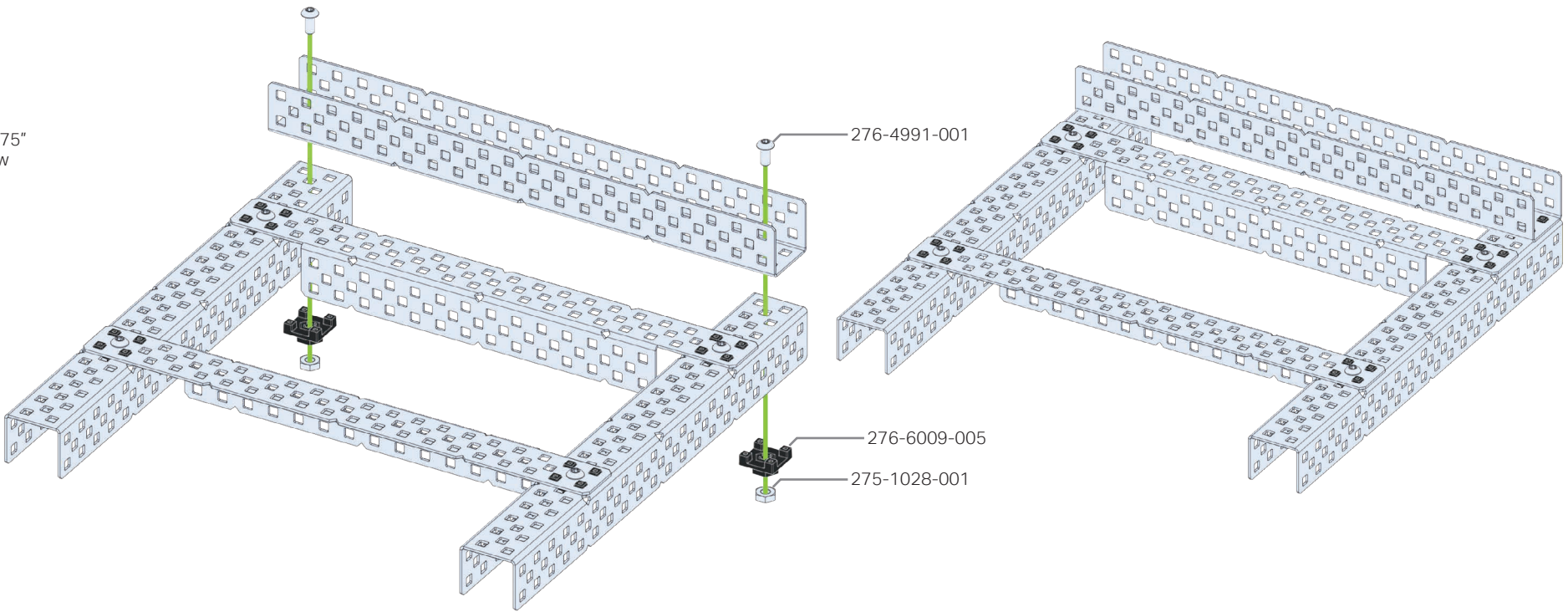
2x #8-32 x 0.375"
Star Drive Screw
276-4991-001



2x 4-Post Hex
Nut Retainer
276-6009-005



2x #8-32
Hex Nut
275-1028-001



4



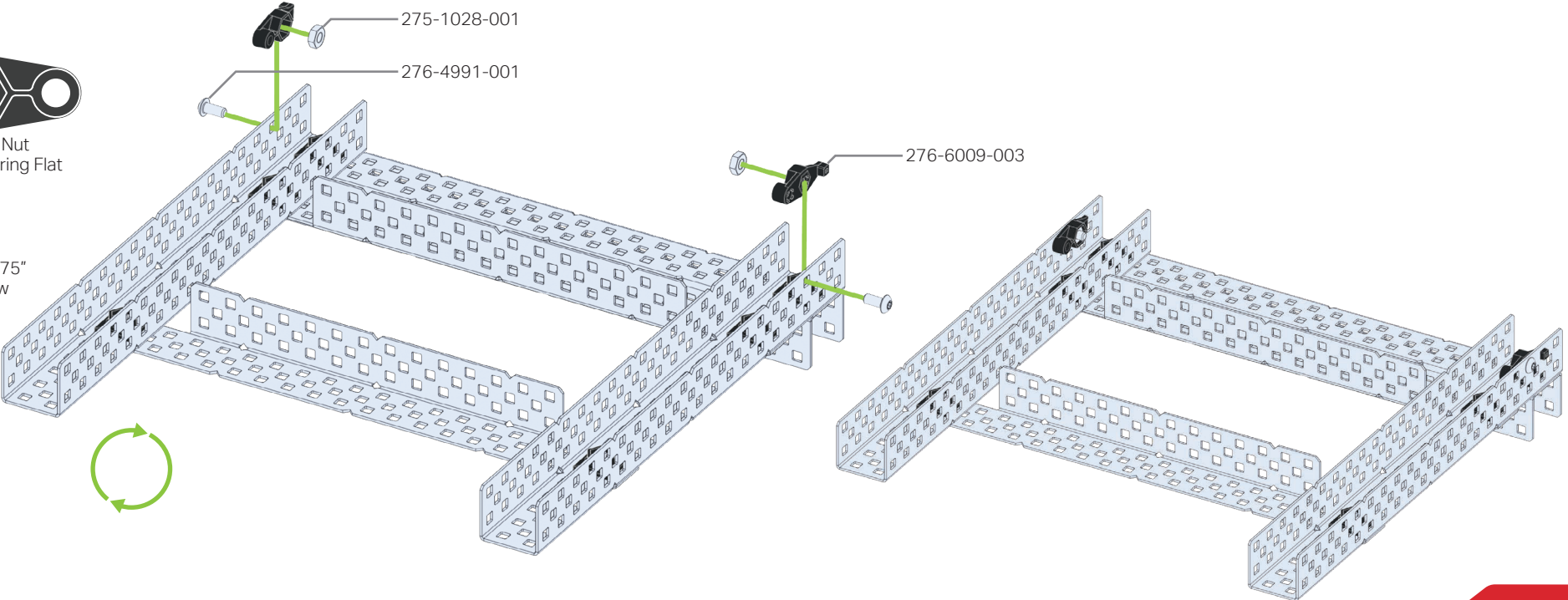
2x 1-Post Hex Nut
Retainer w/ Bearing Flat
276-6009-003



2x #8-32 x 0.375"
Star Drive Screw
276-4991-001



2x #8-32
Hex Nut
275-1028-001



5



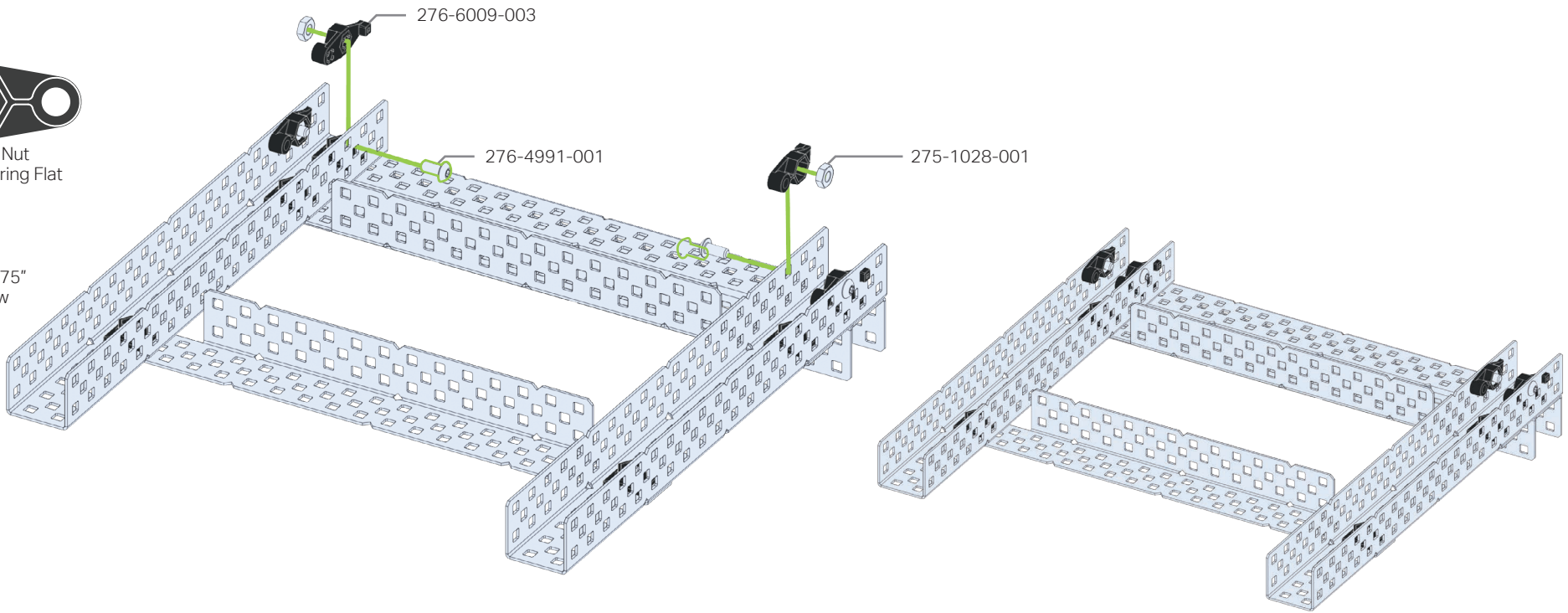
2x 1-Post Hex Nut Retainer w/ Bearing Flat
276-6009-003



2x #8-32 x 0.375" Star Drive Screw
276-4991-001



2x #8-32 Hex Nut
275-1028-001



6

2X 228-2500-143

228-2500-124

276-1209-001

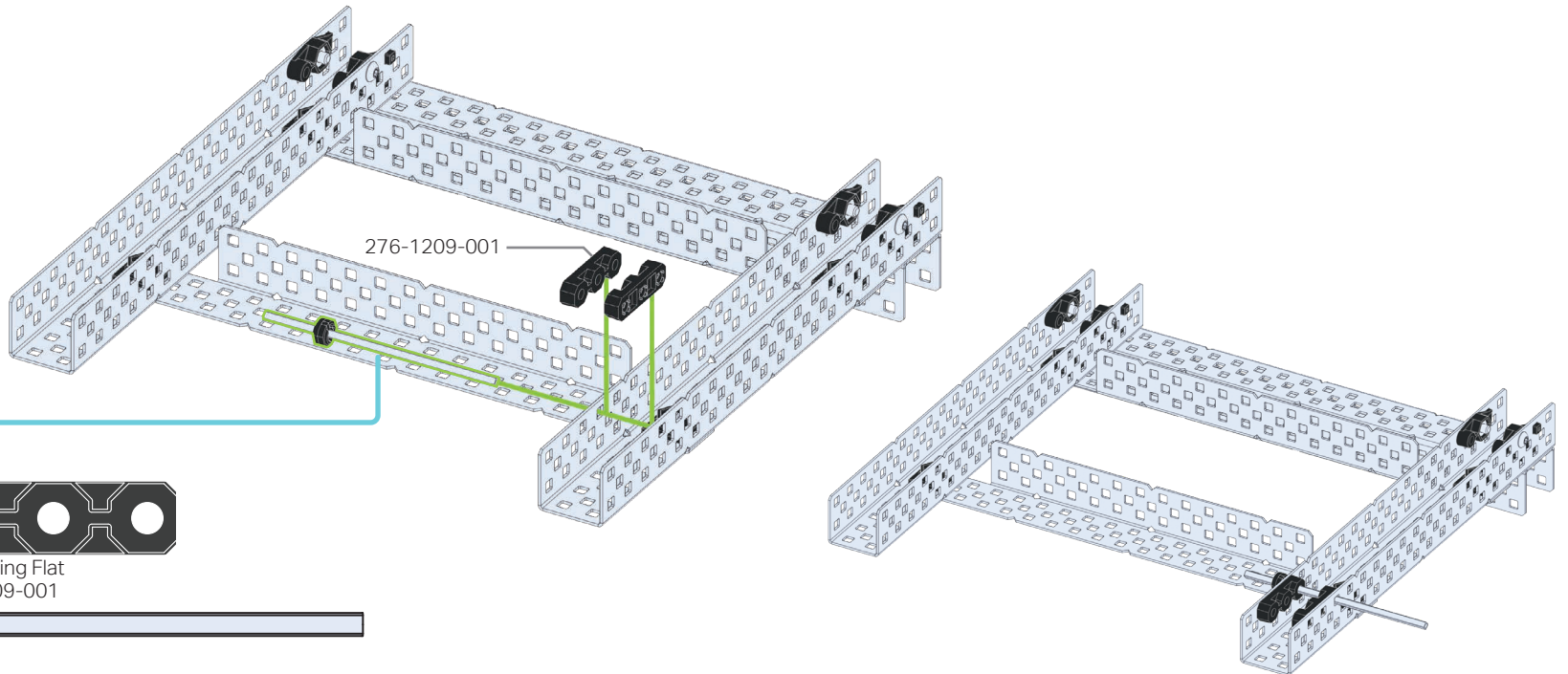


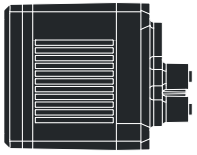
1x Rubber Shaft Collar
228-2500-143



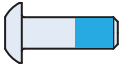
2x Bearing Flat
276-1209-001

1x 8x Pitch Shaft
228-2500-124

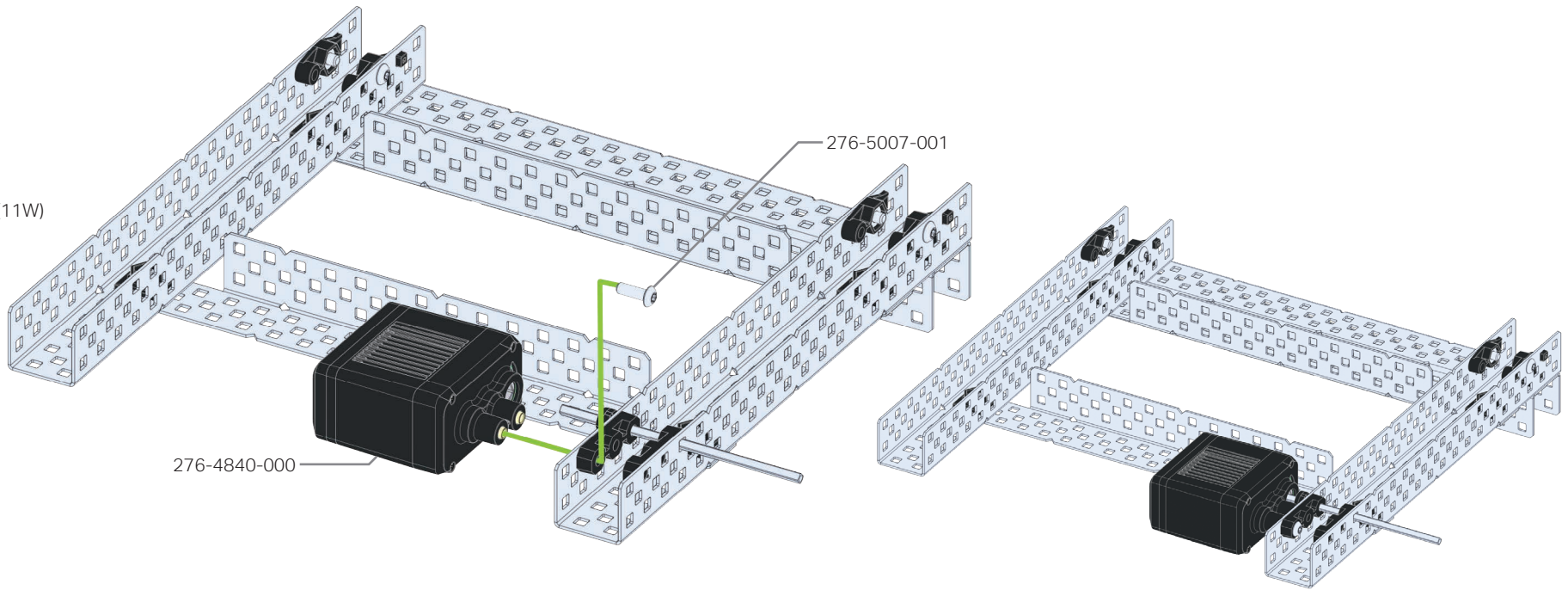




1x V5 Smart Motor (11W)
276-4840-000



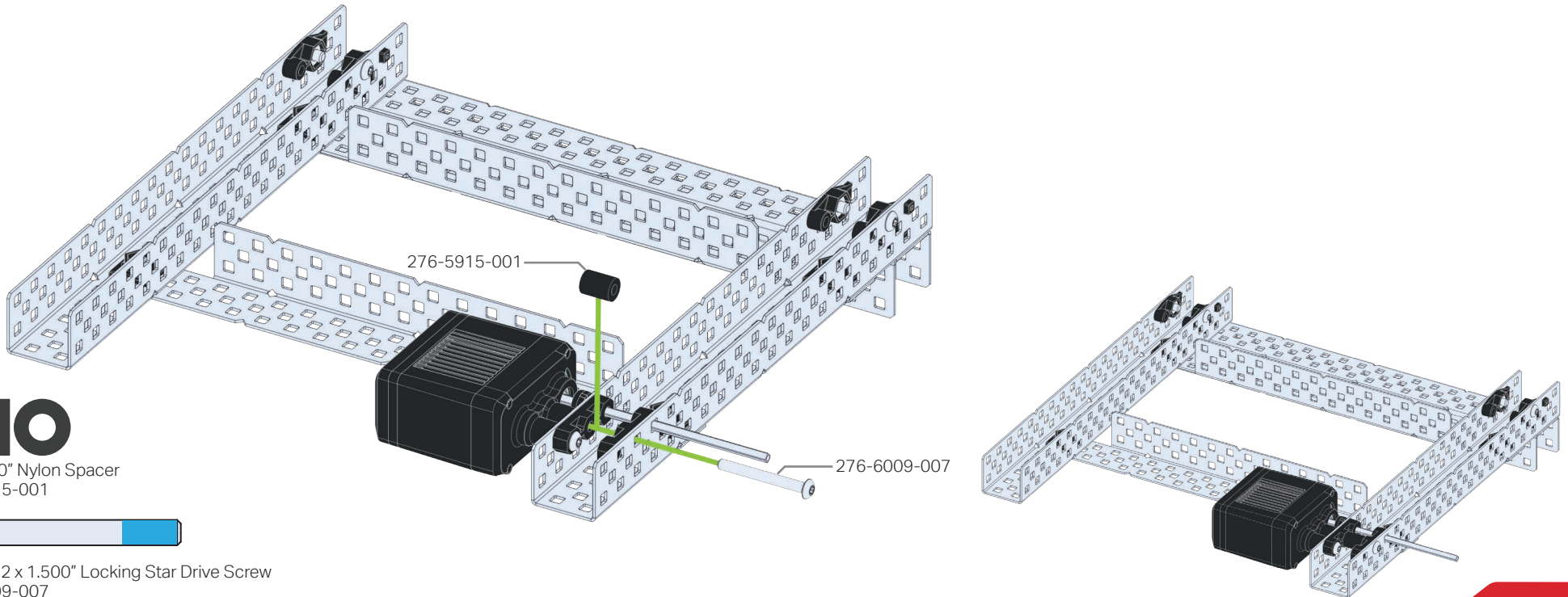
1x #8-32 x 0.500"
Locking Star
Drive Screw
276-5007-001



1x 0.500" Nylon Spacer
276-5915-001

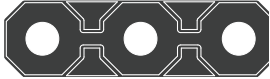
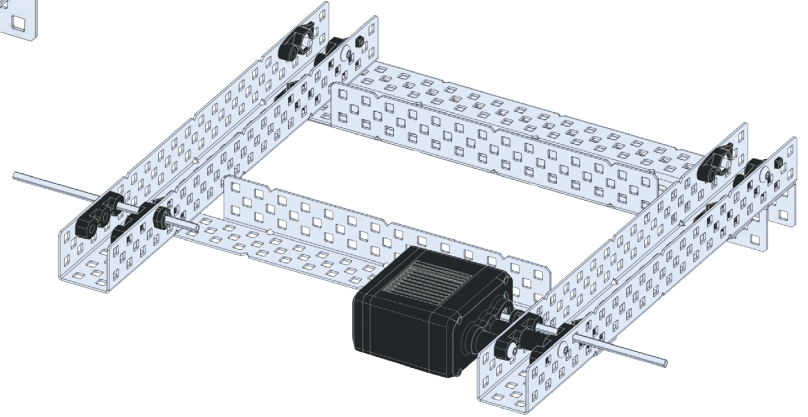
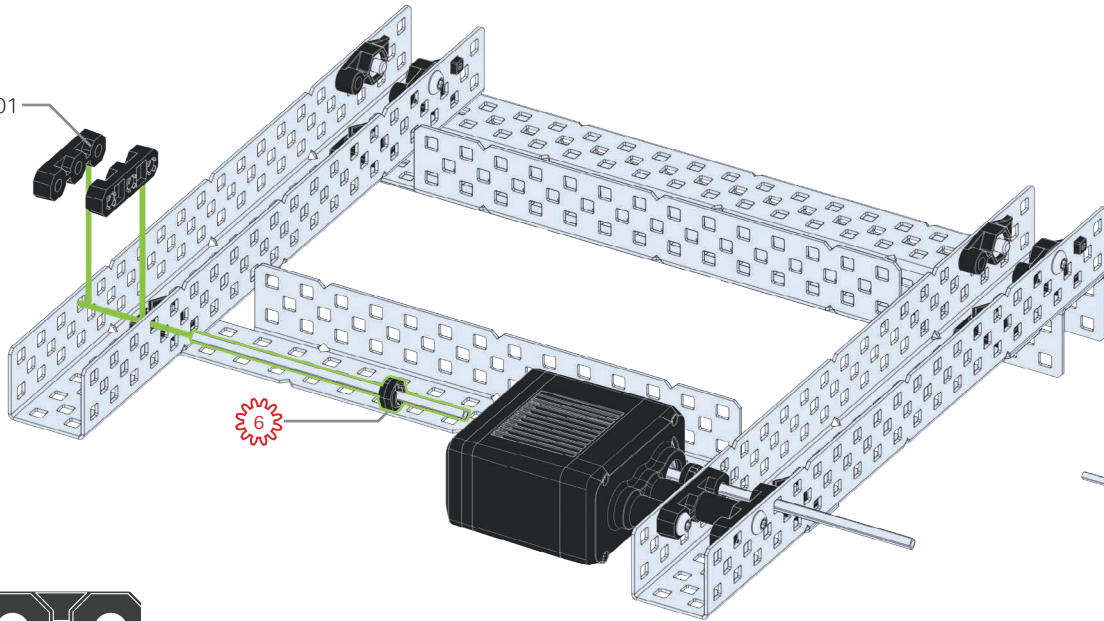


1x #8-32 x 1.500"
Locking Star Drive Screw
276-6009-007





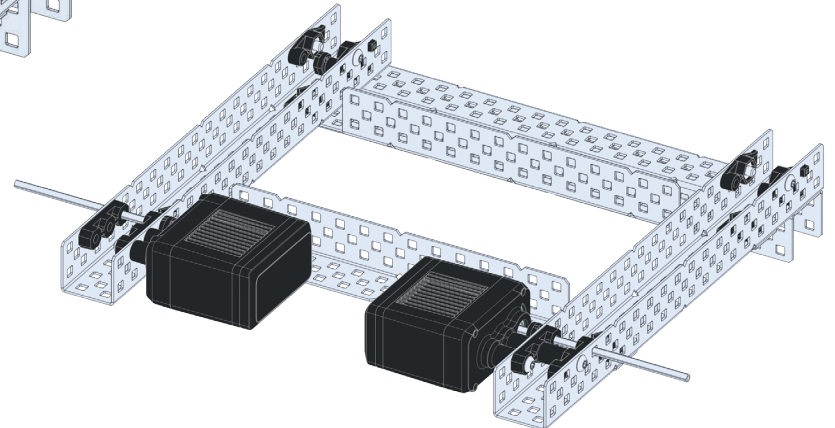
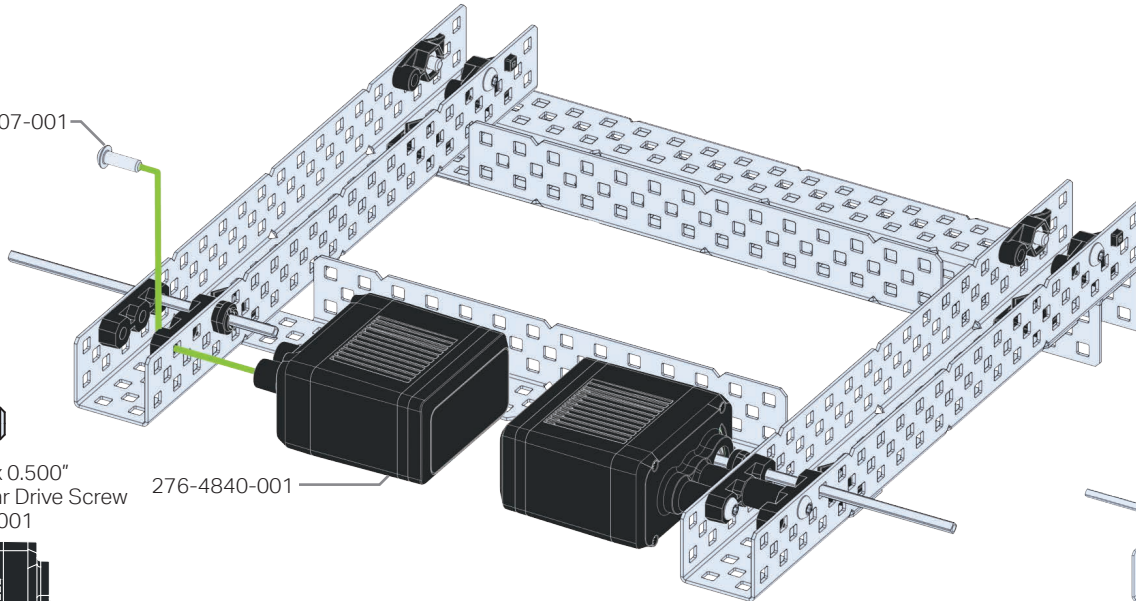
276-1209-001



2x Bearing Flat
276-1209-001

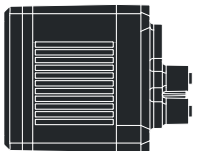


276-5007-001

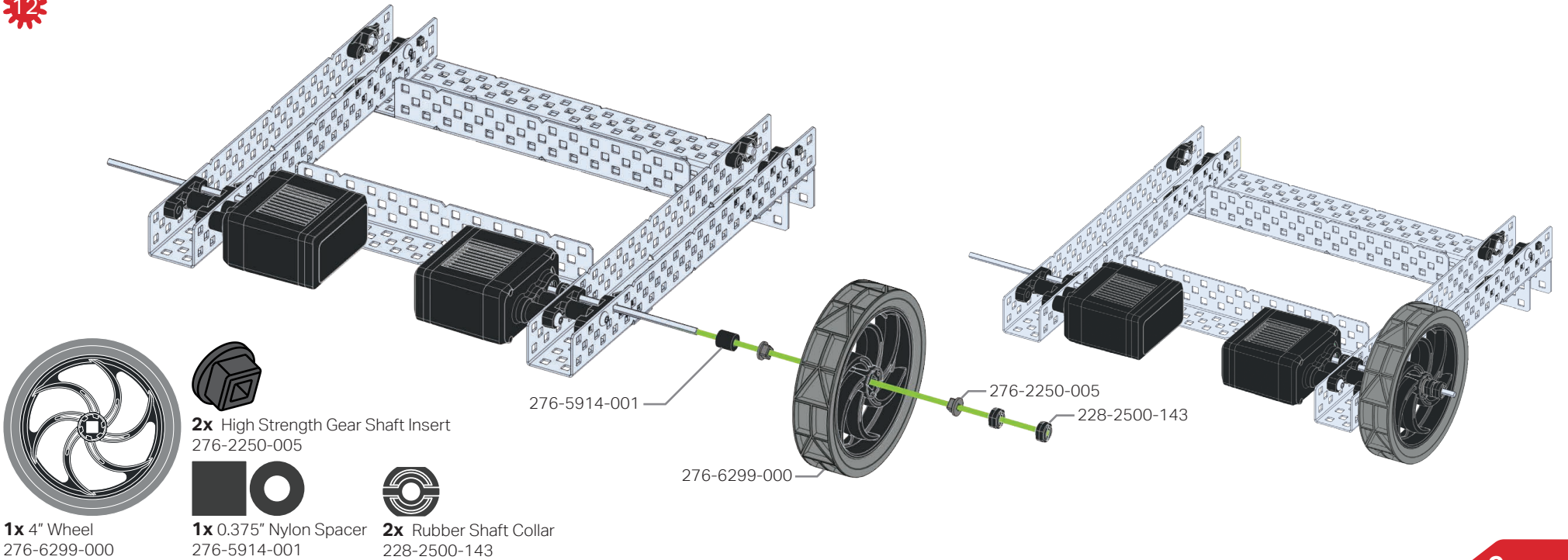
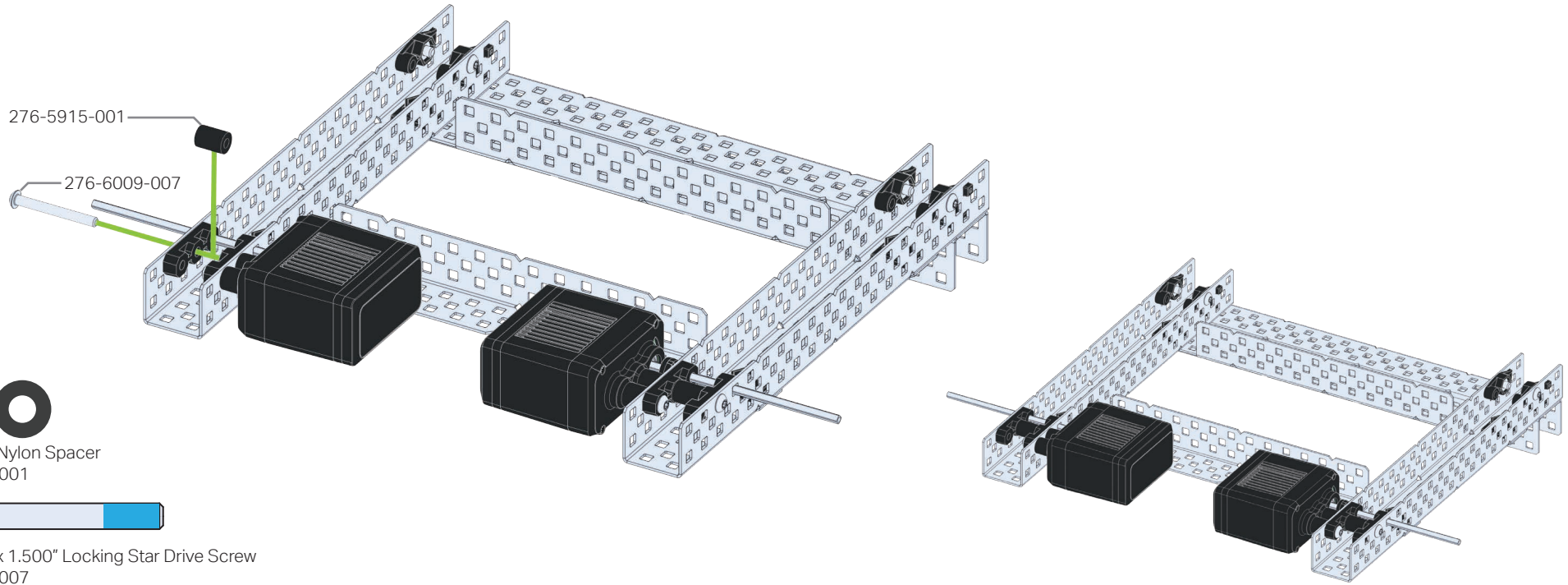


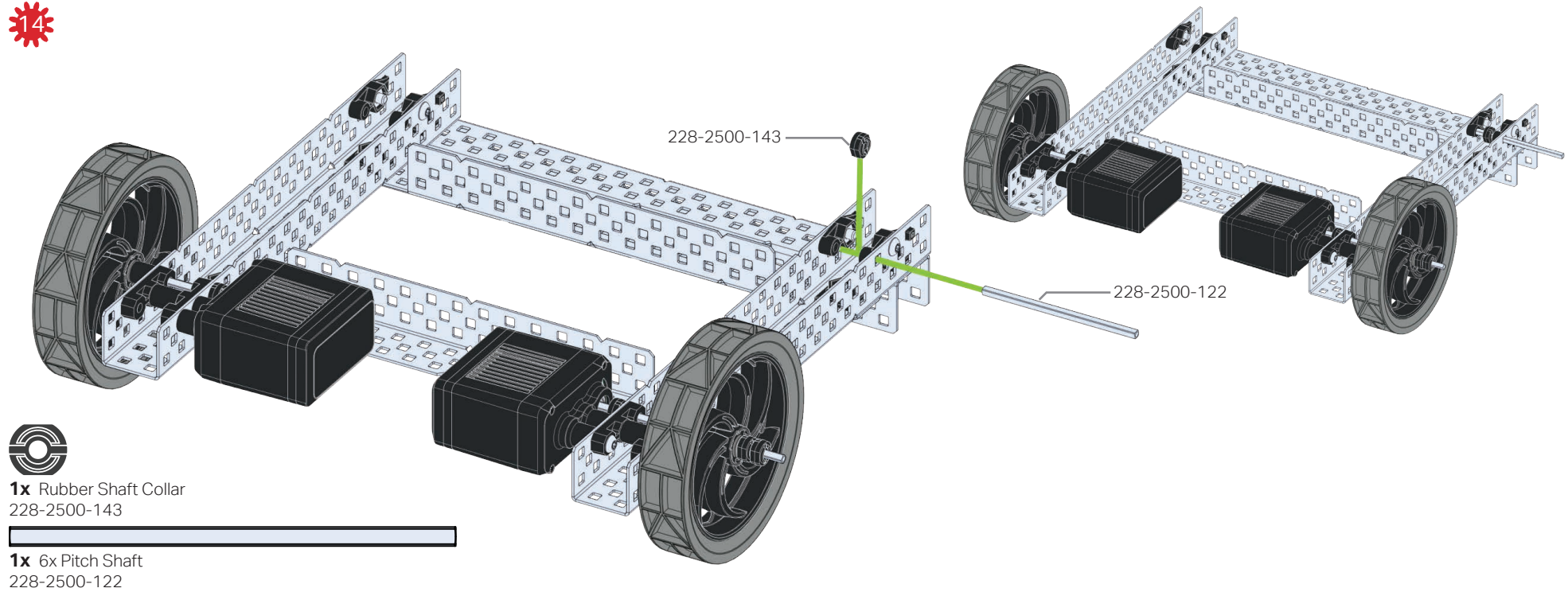
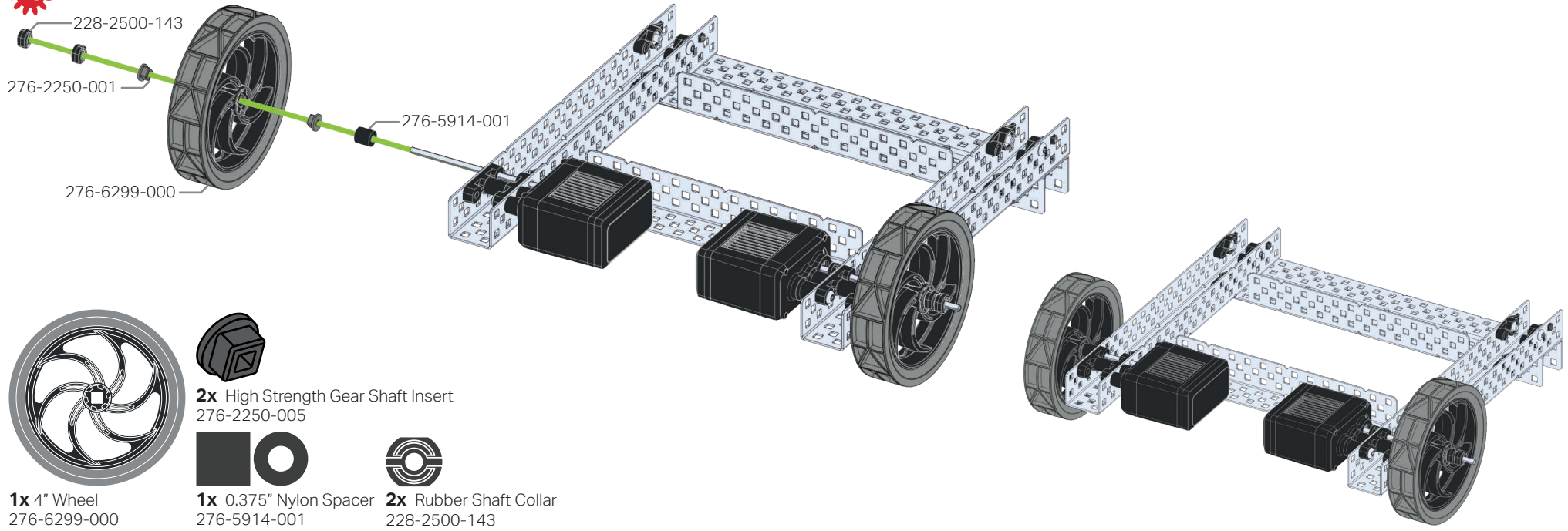
1x #8-32 x 0.500"
Locking Star Drive Screw
276-5007-001

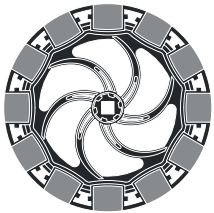
276-4840-001



1x V5 Smart Motor (11W)
276-4840-001







1x 4" Omni-Directional Wheel
276-6298-000



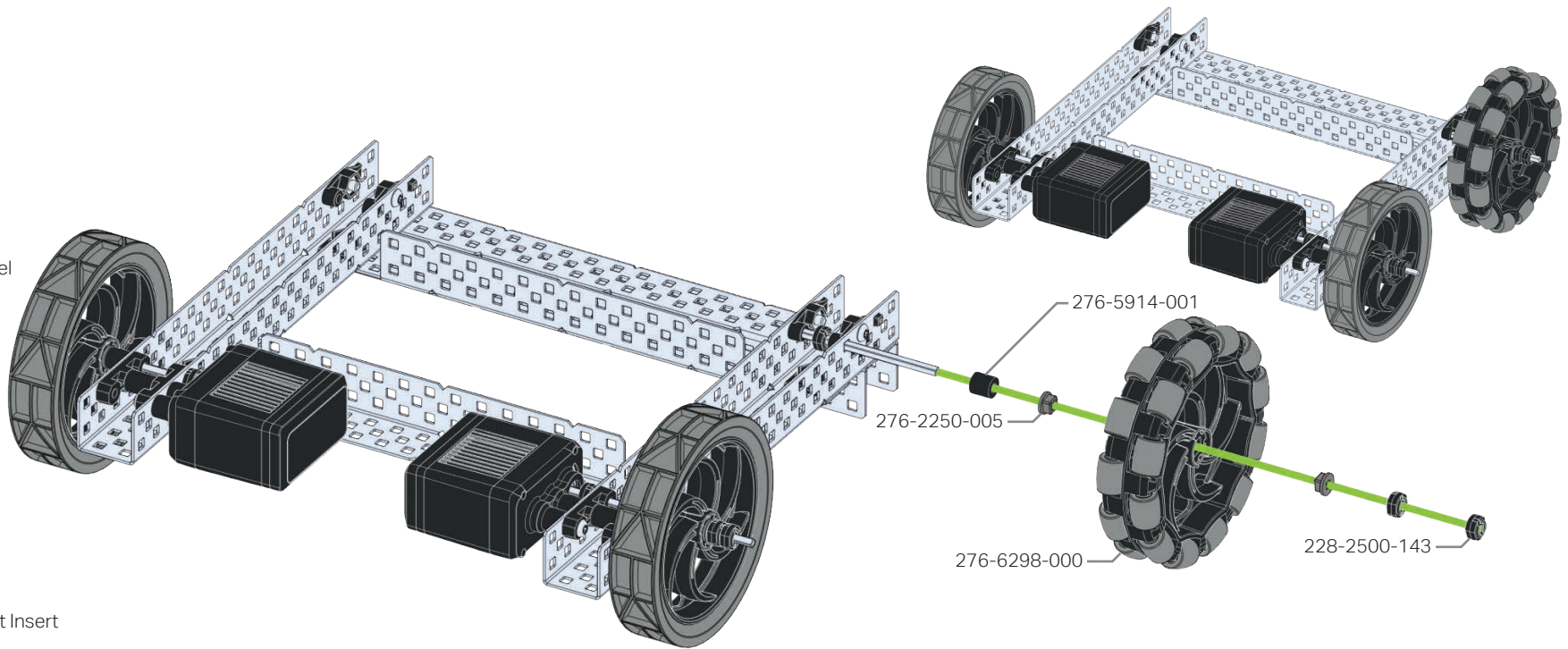
2x Rubber Shaft Collar
228-2500-143



1x 0.375" Nylon Spacer
276-5914-001



2x High Strength Gear Shaft Insert
276-2250-005



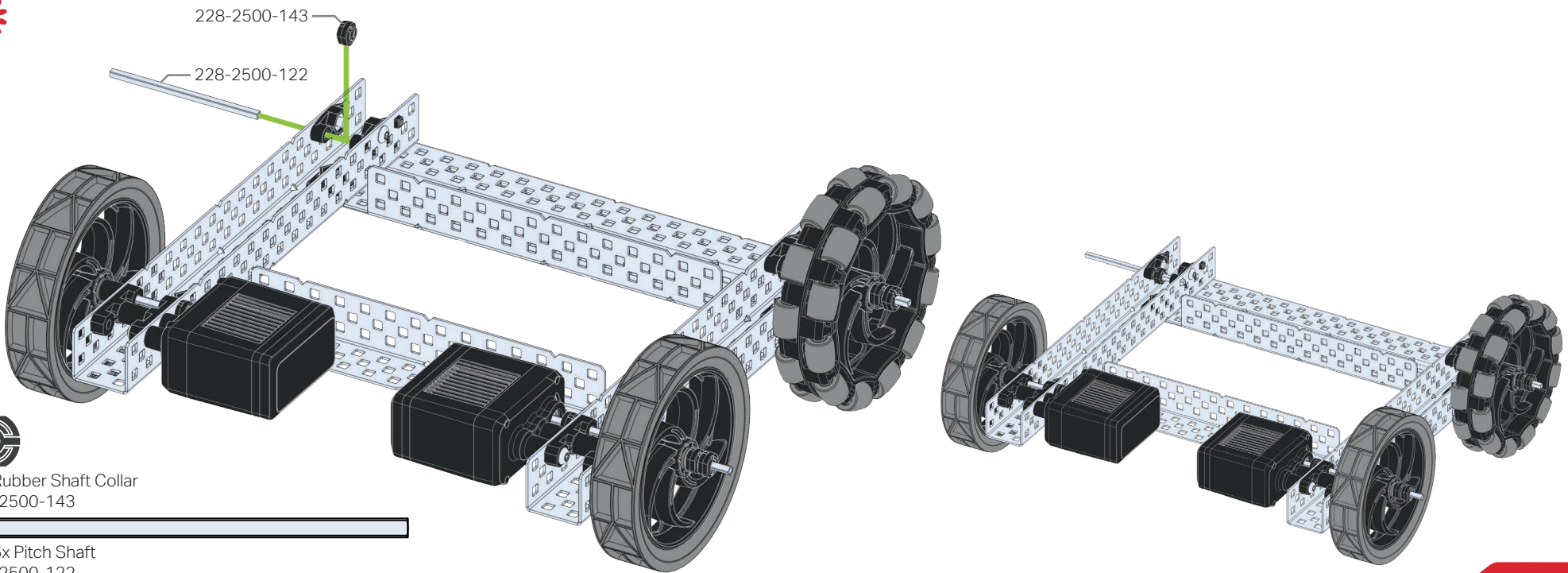
228-2500-143

228-2500-122



1x Rubber Shaft Collar
228-2500-143

1x 6x Pitch Shaft
228-2500-122





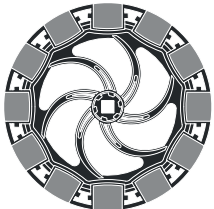
2x Rubber Shaft Collar
228-2500-143



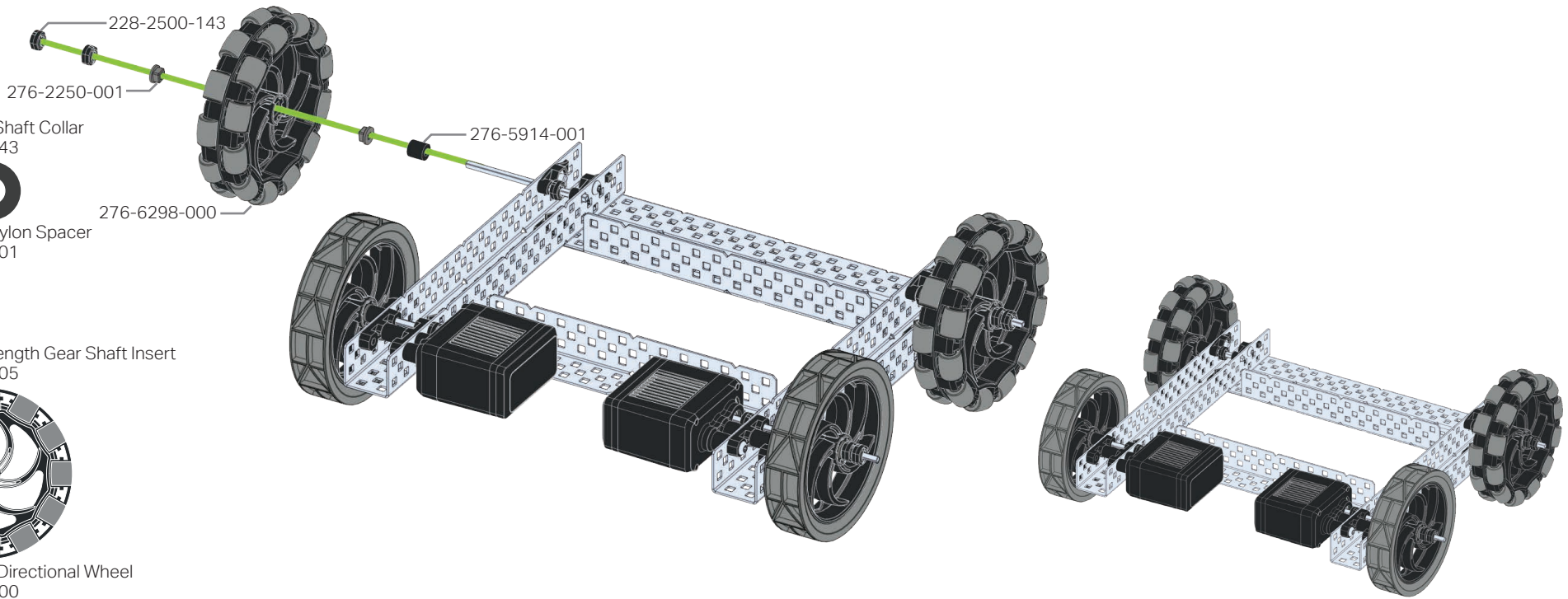
1x 0.375" Nylon Spacer
276-5914-001



2x High Strength Gear Shaft Insert
276-2250-005



1x 4" Omni-Directional Wheel
276-6298-000



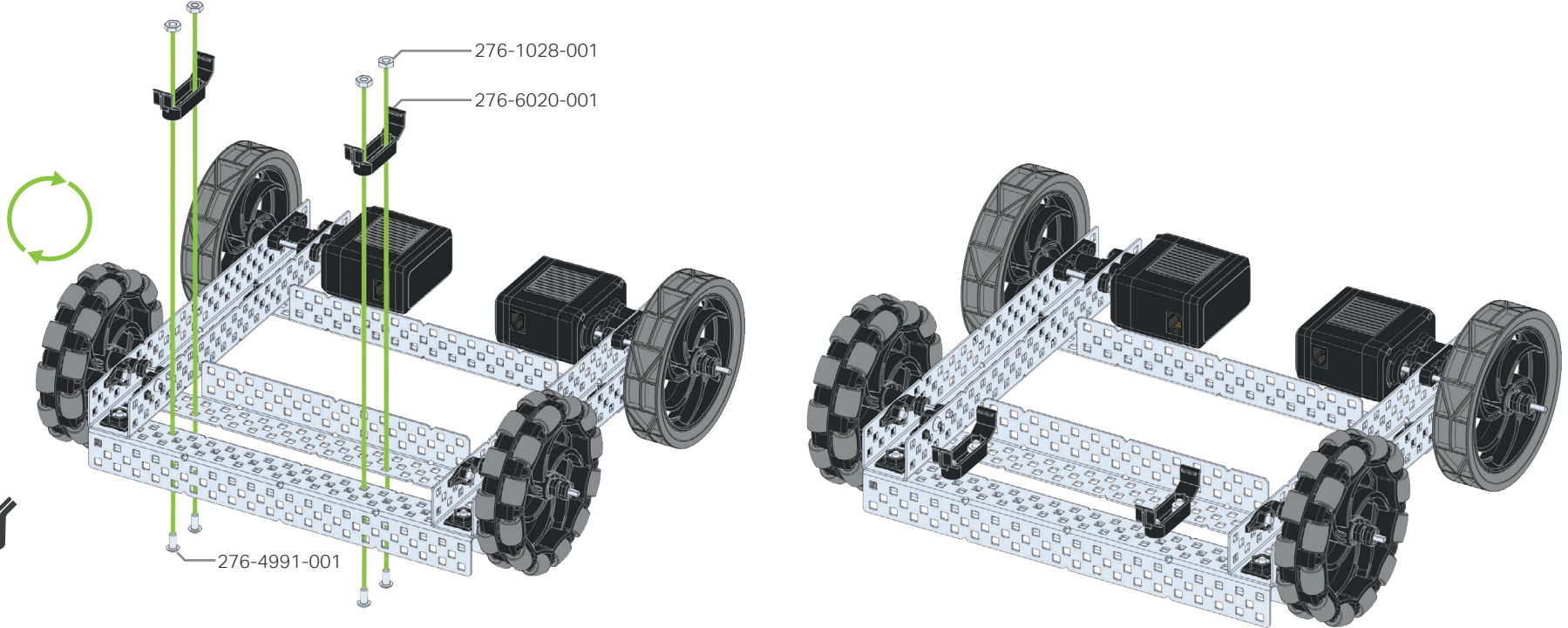
4x #8-32 Hex Nut
275-1028-001

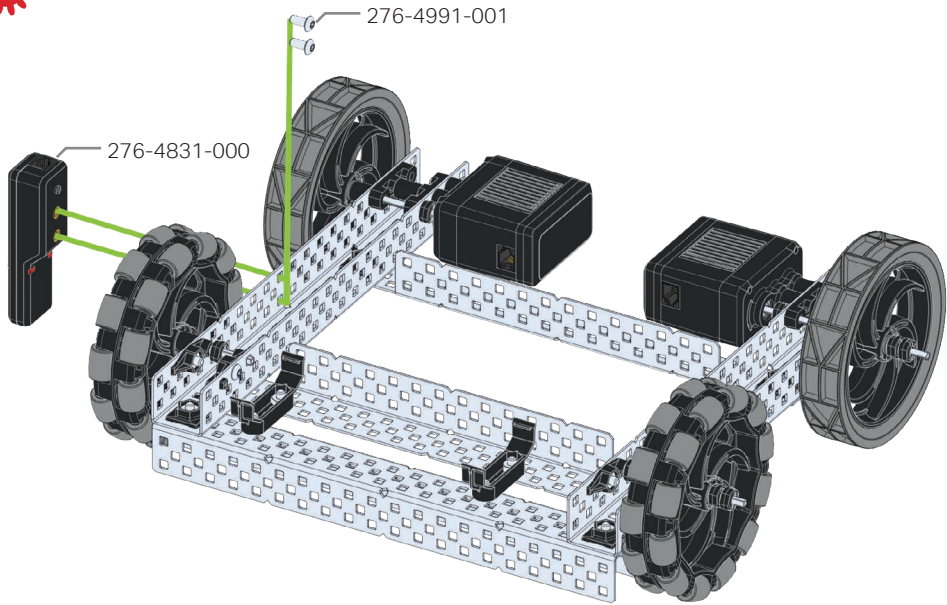


4x #8-32 x 0.375"
Star Drive Screw
276-4991-001



2x V5 Battery Clip
276-6020-001

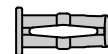
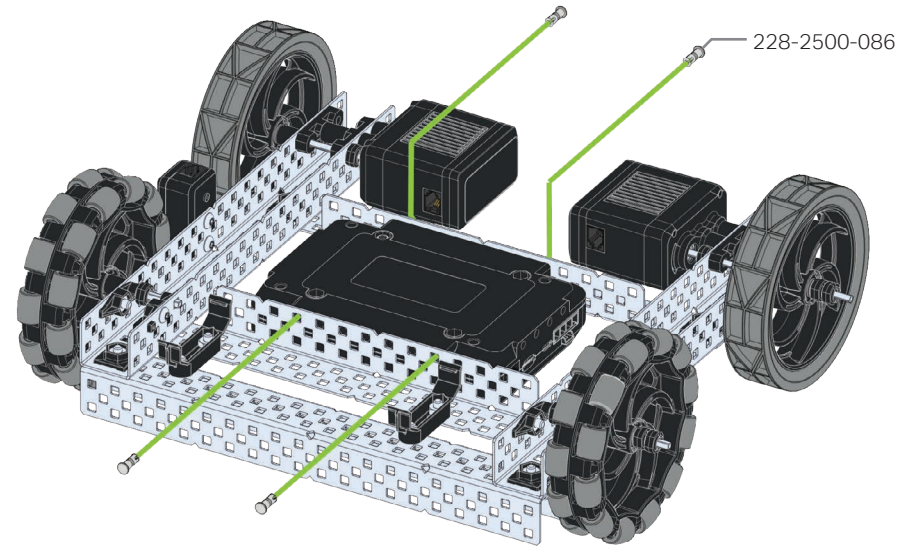
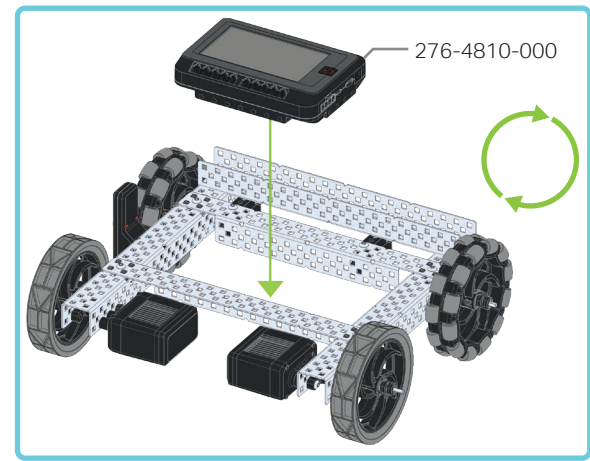




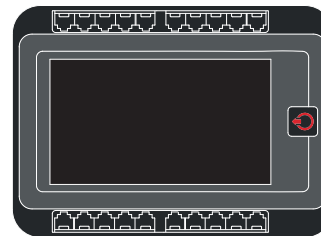
1x V5 Robot Radio
276-4831-000



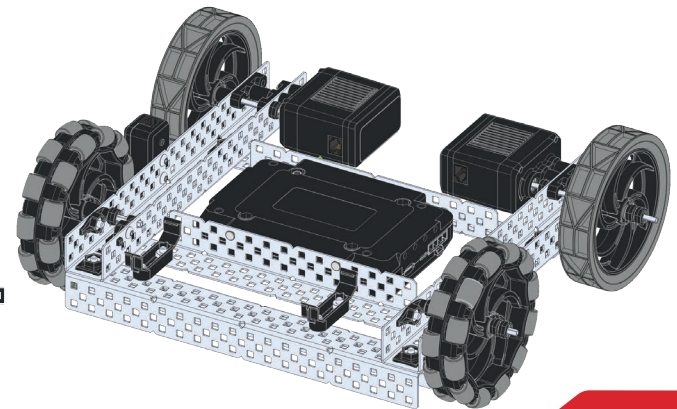
2x #8-32 x 0.375"
Star Drive Screw
276-4991-001

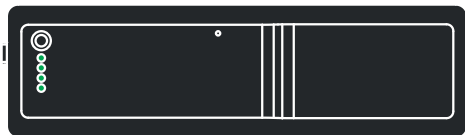
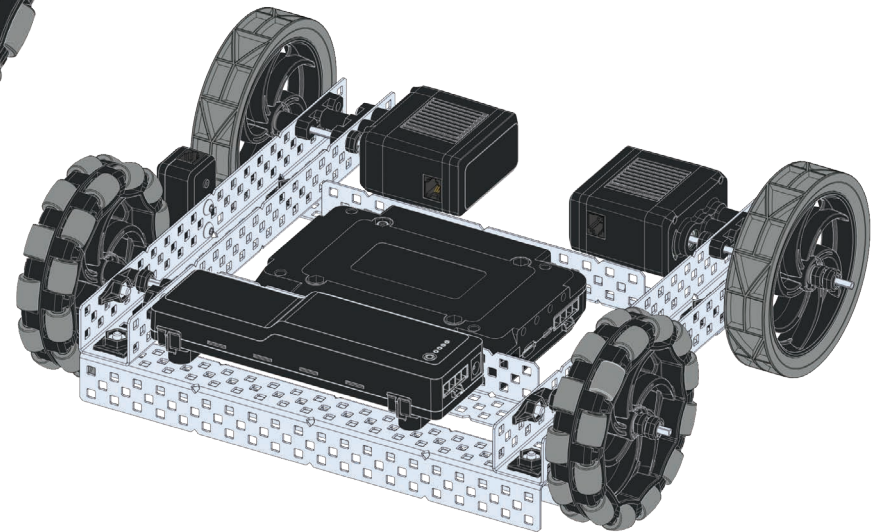
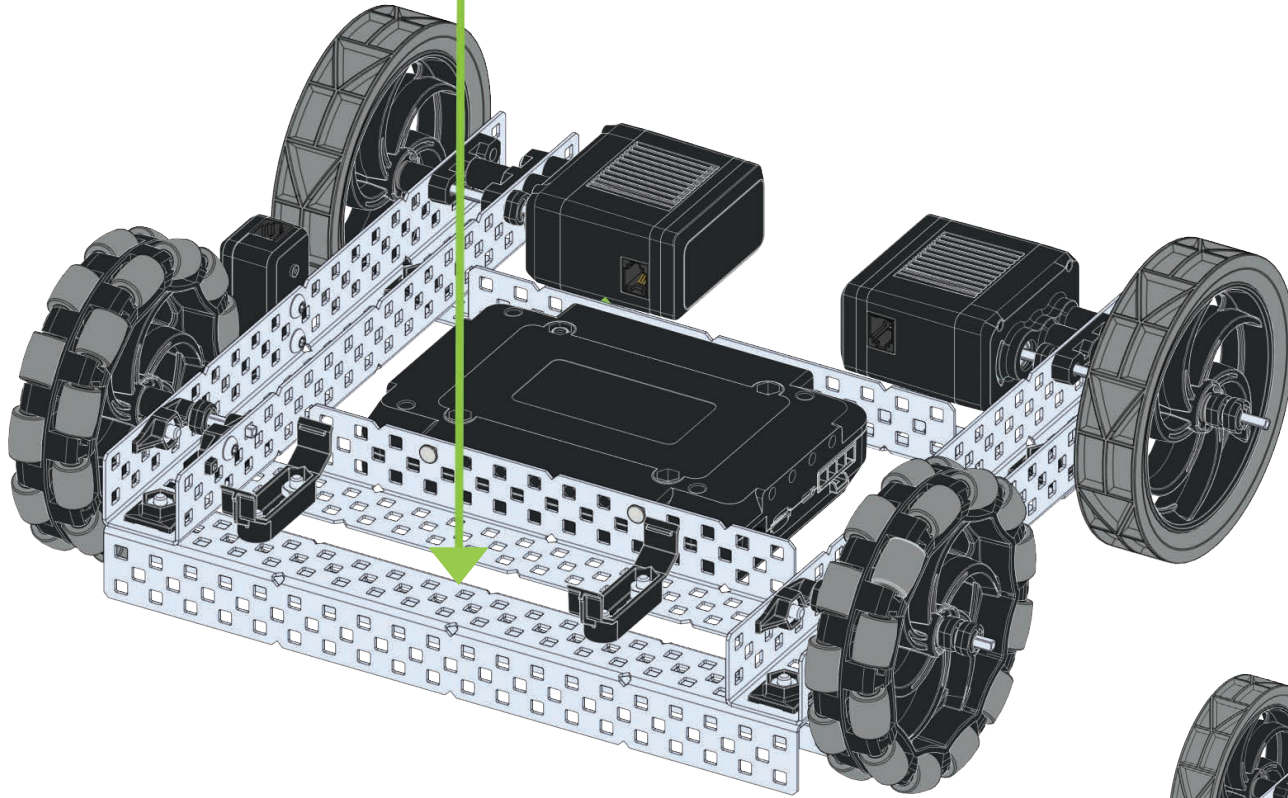
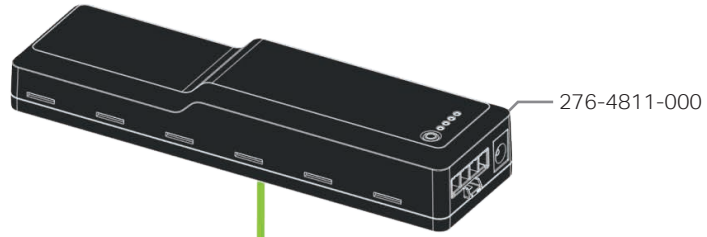


4x 0x1 Connector Pin
228-2500-086

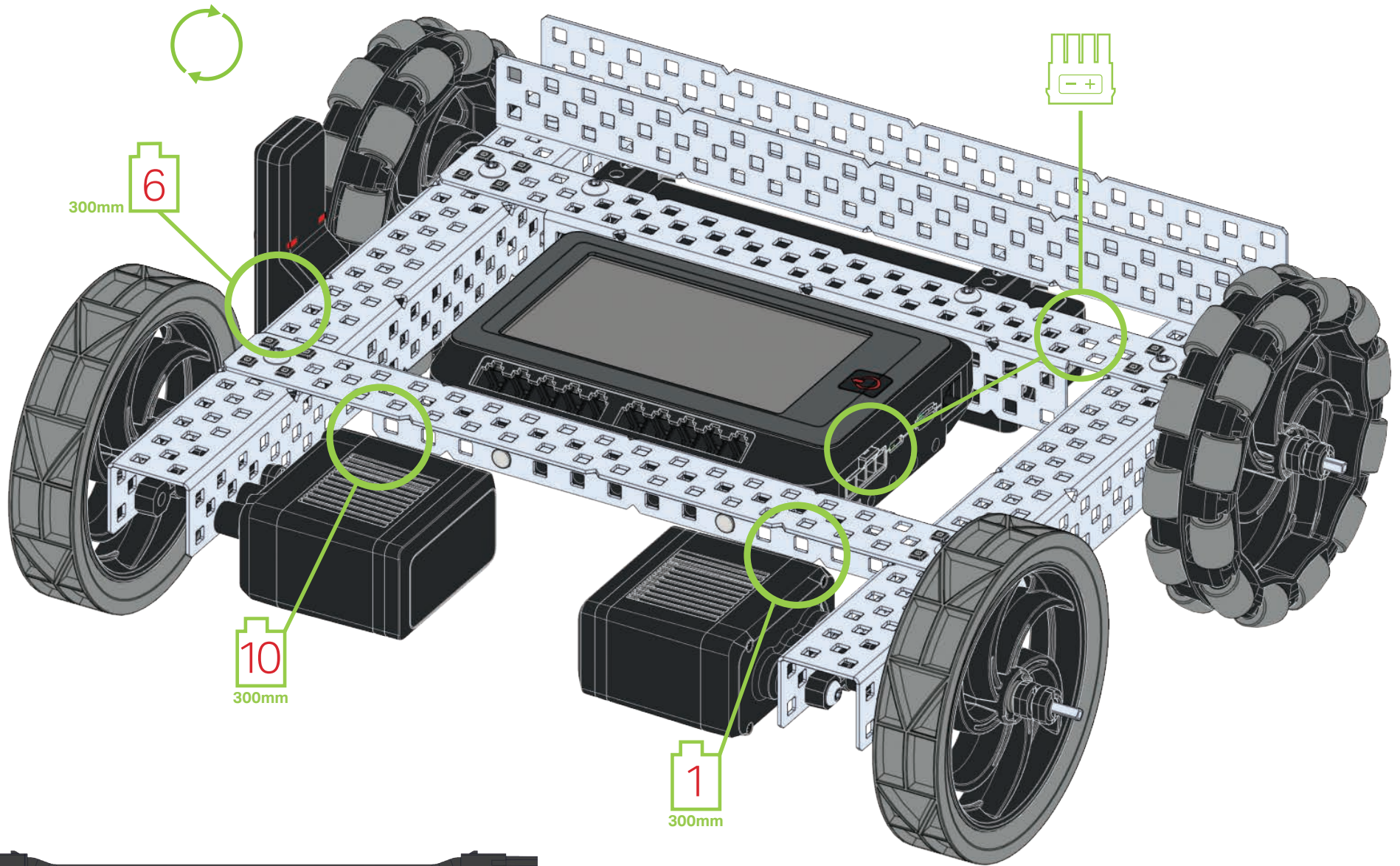


1x V5 Robot Brain
276-4810-000





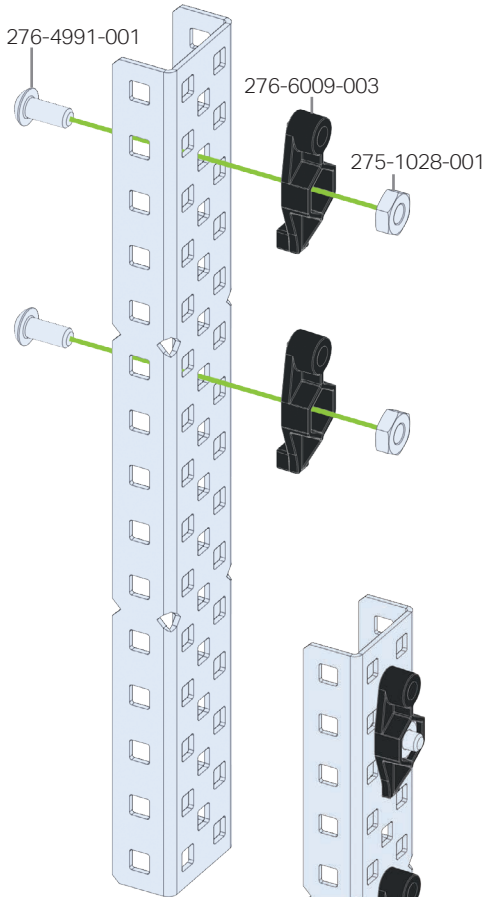
1x V5 Robot Battery Li-Ion 1100mAh
276-4811-000



1x 180 mm V5 Power Cable
276-4817-100



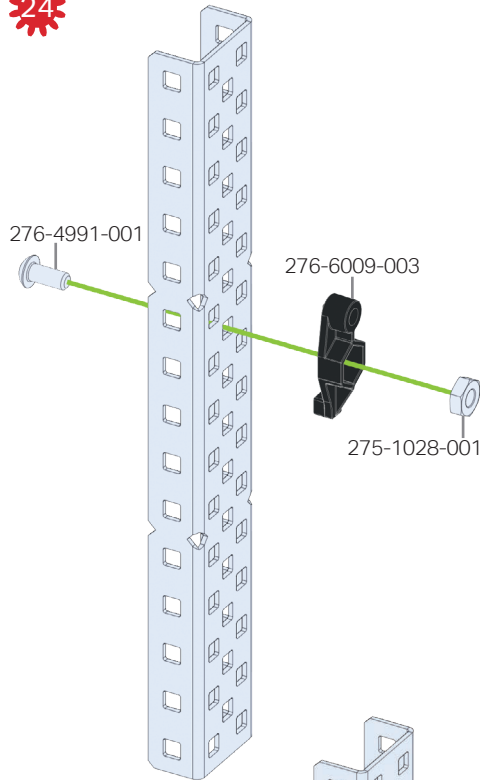
3x 300 mm V5 Smart Cable
276-4860-020



2x #8-32 x 0.375"
Star Drive Screw
276-4991-001

2x #8-32 Hex Nut
275-1028-001

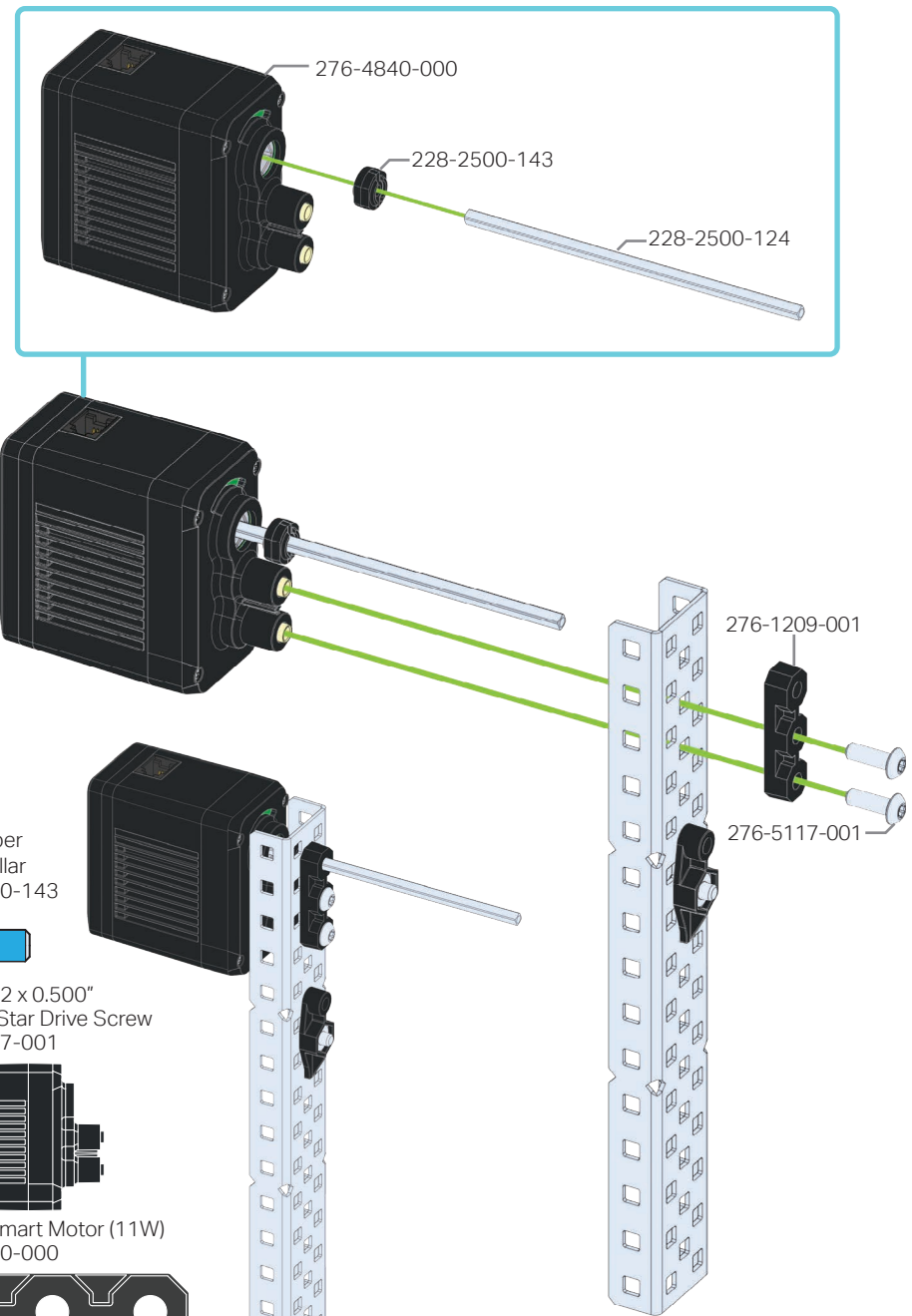
2x 1-Post Hex Nut
Retainer with Bearing Flat
276-6009-003



1x #8-32 x 0.375"
Star Drive Screw
276-4991-001

1x #8-32 Hex Nut
275-1028-001

1x 1-Post Hex Nut
Retainer with Bearing Flat
276-6009-003



1x Rubber
Shaft Collar
228-2500-143

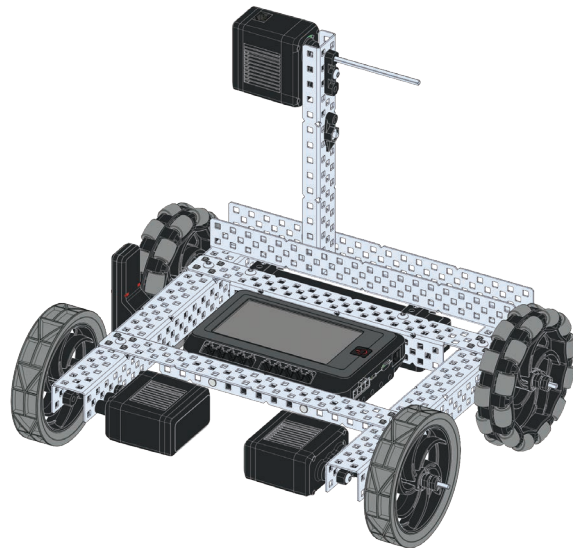
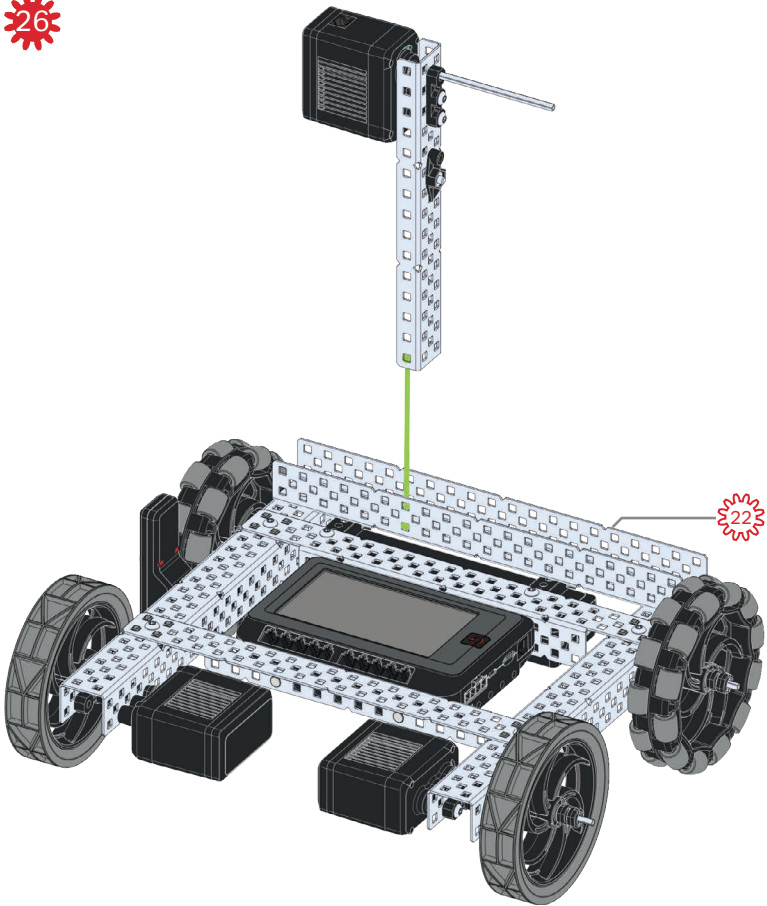
2x #8-32 x 0.500"
Locking Star Drive Screw
276-5007-001

1x V5 Smart Motor (11W)
276-4840-000

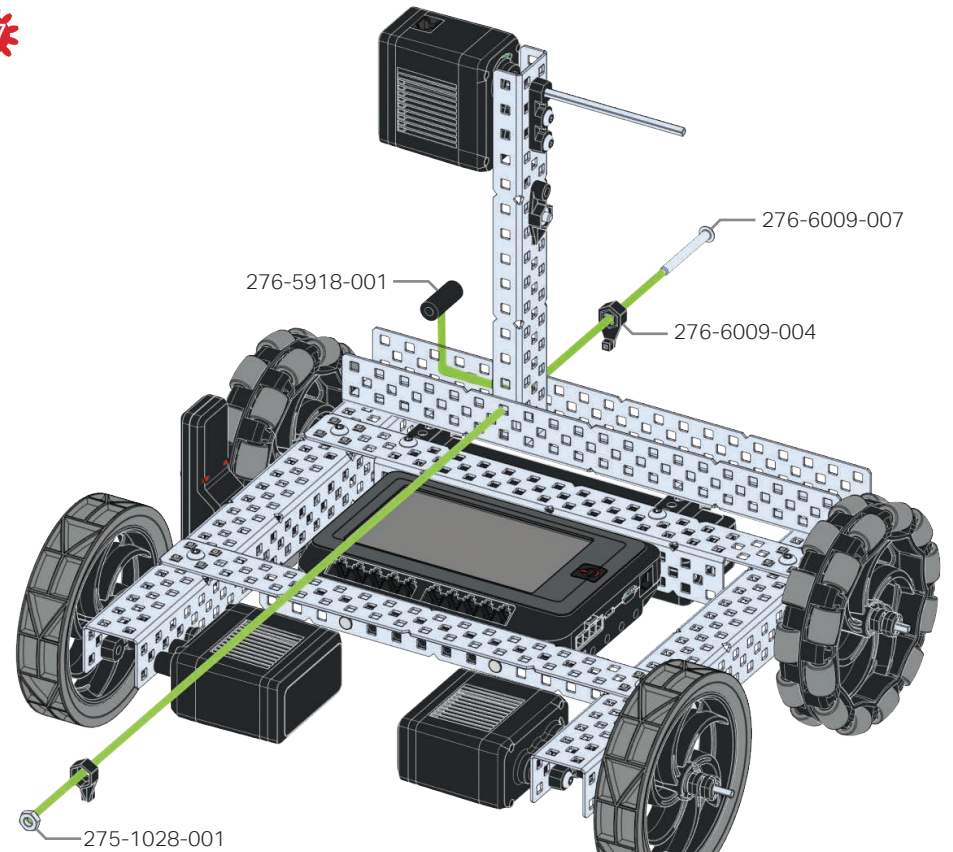
1x Bearing Flat
276-1209-001

1x 8x Pitch Shaft
228-2500-124

26



27



1x #8-32 Hex Nut
275-1028-001



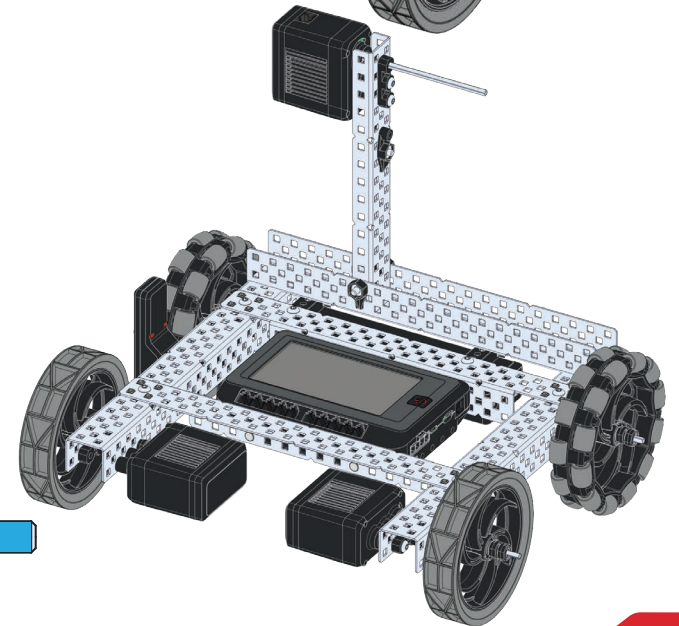
2x 1-Post Hex Nut Retainer
276-6009-004



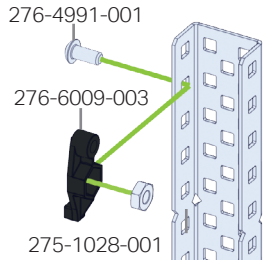
1x 0.875" Nylon Spacer
276-5918-001



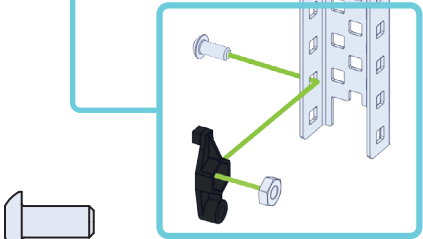
1x #8-32 x 1.500" Locking
Star Drive Screw
276-6009-007



2X



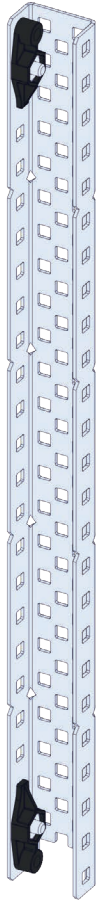
Cut
Hacksaw is required,
ask a parent/mentor
for help.



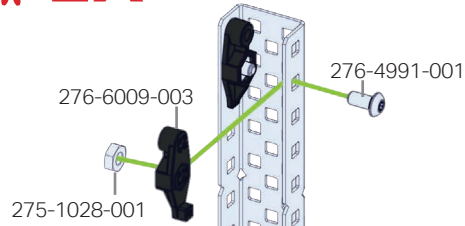
4x #8-32 x 0.375"
Star Drive Screw
276-4991-001

4x #8-32 Hex Nut
275-1028-001

4x 1-Post Hex Nut
Retainer with Bearing Flat
276-6009-003



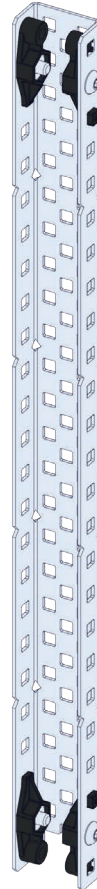
2X



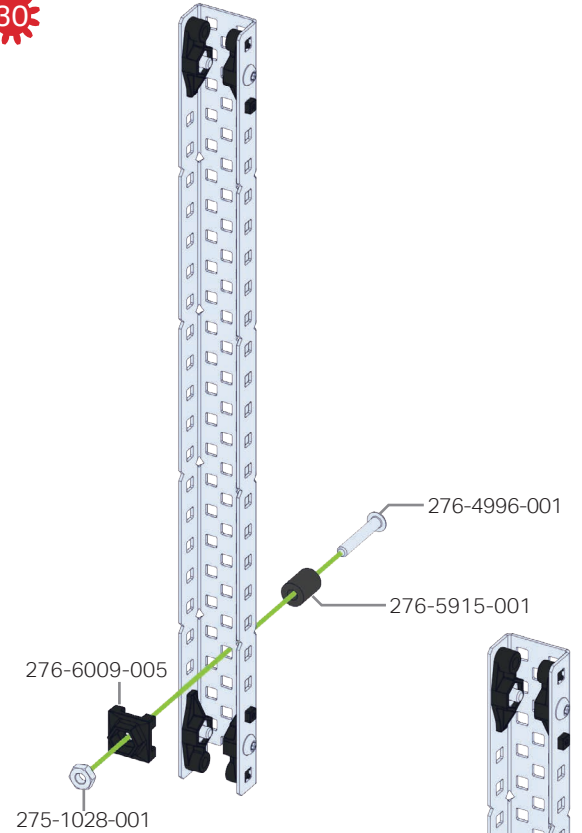
4x #8-32 x 0.375"
Star Drive Screw
276-4991-001

4x #8-32 Hex Nut
275-1028-001

4x 1-Post Hex Nut
Retainer with Bearing Flat
276-6009-003



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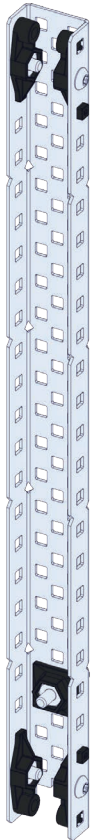


1x #8-32 Hex Nut
275-1028-001

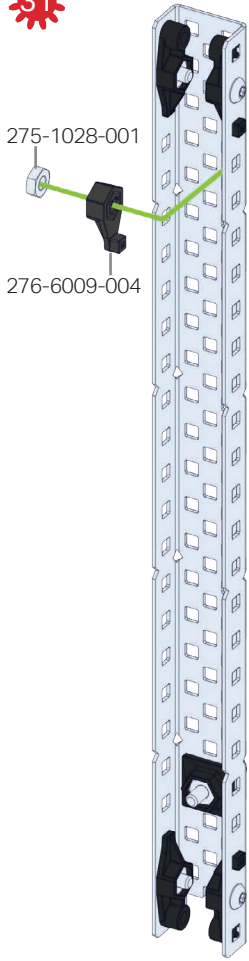
1x 4-Post Hex Nut Retainer
276-6009-005

1x 0.500" Nylon Spacer
276-5915-001

1x #8-32 x 1.000" Star Drive Screw
276-4996-001



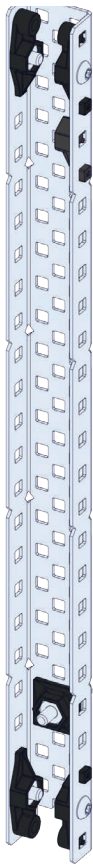
31



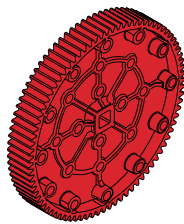
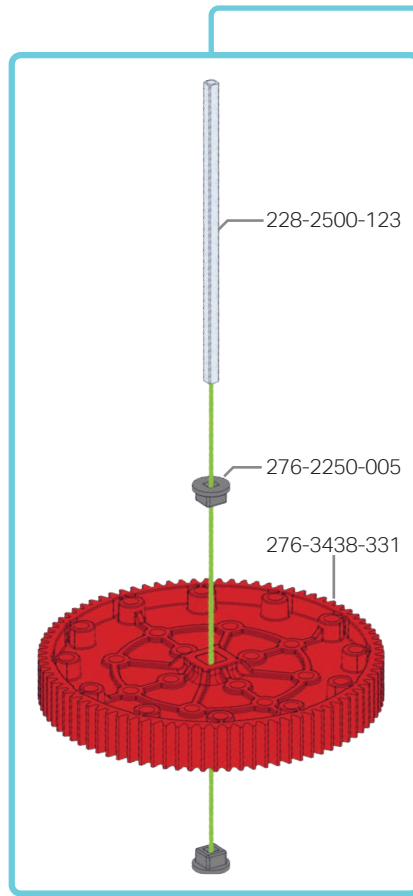
1x #8-32 Hex Nut
275-1028-001



1x 1-Post Hex Nut Retainer
276-6009-004



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1x 84T High Strength Gear
276-3438-331

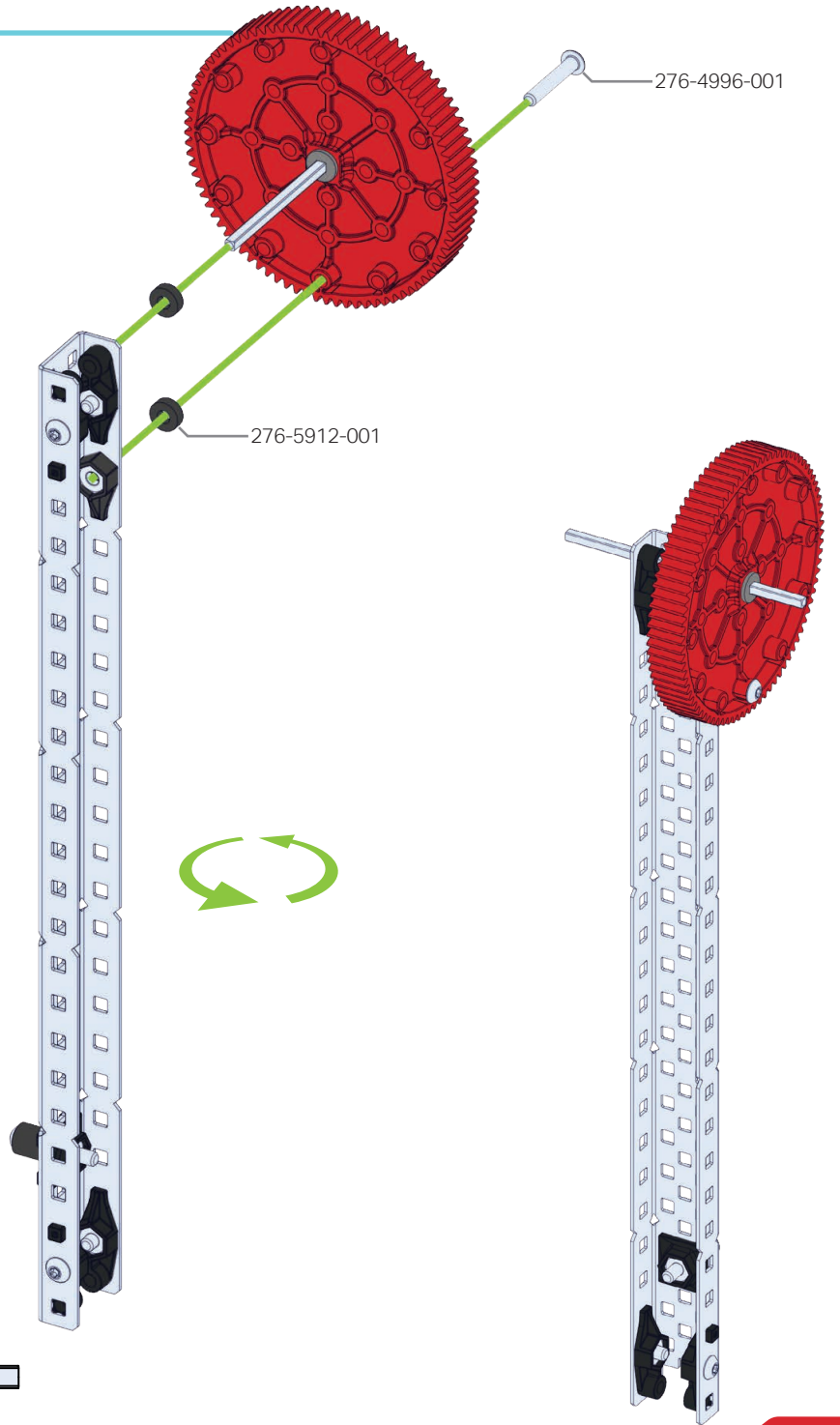


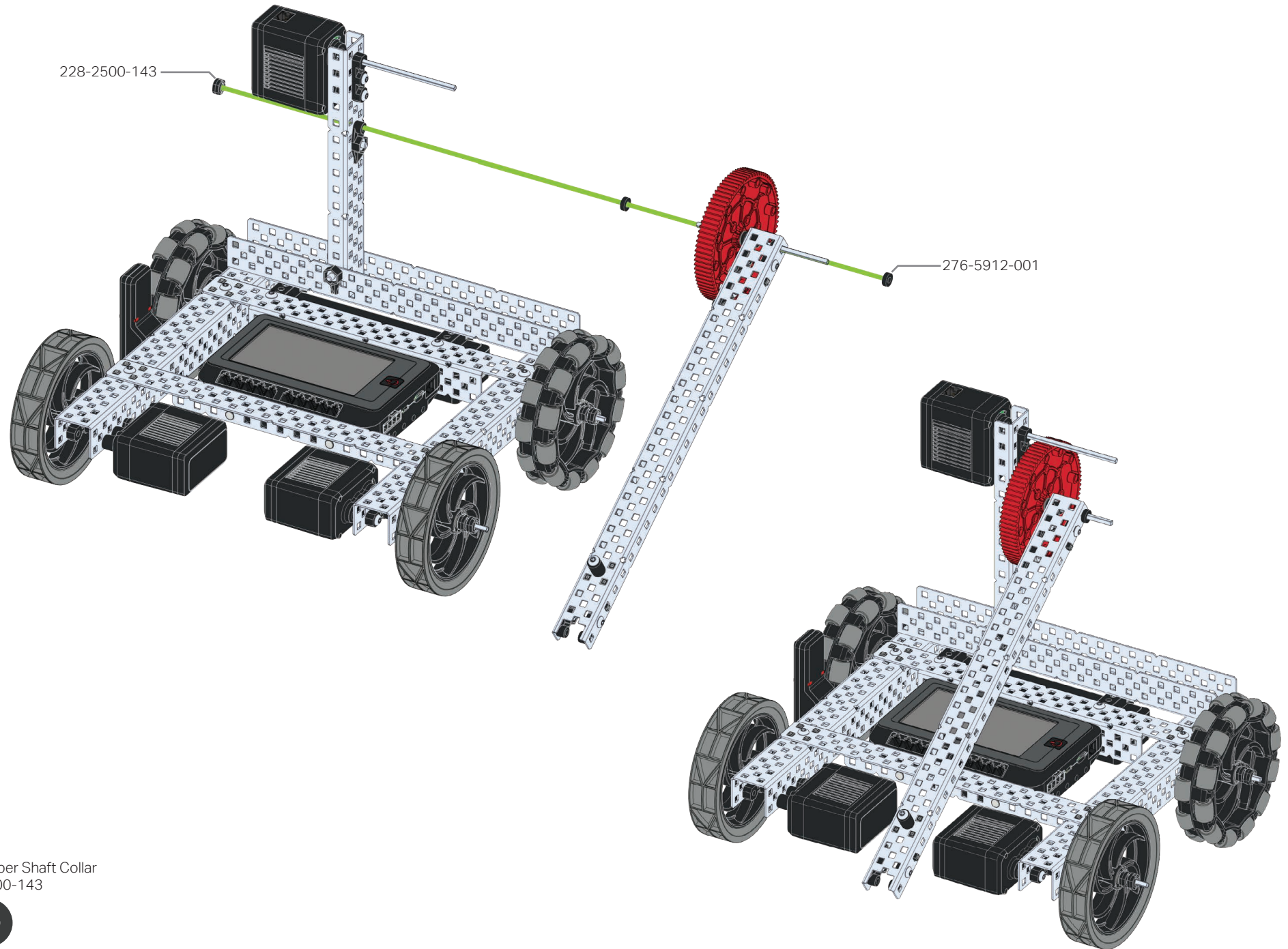
2x High Strength
Gear Shaft Insert
276-2250-005



1x #8-32 x 1.000"
Star Drive Screw
276-4996-001

1x 7x Pitch Shaft
228-2500-123

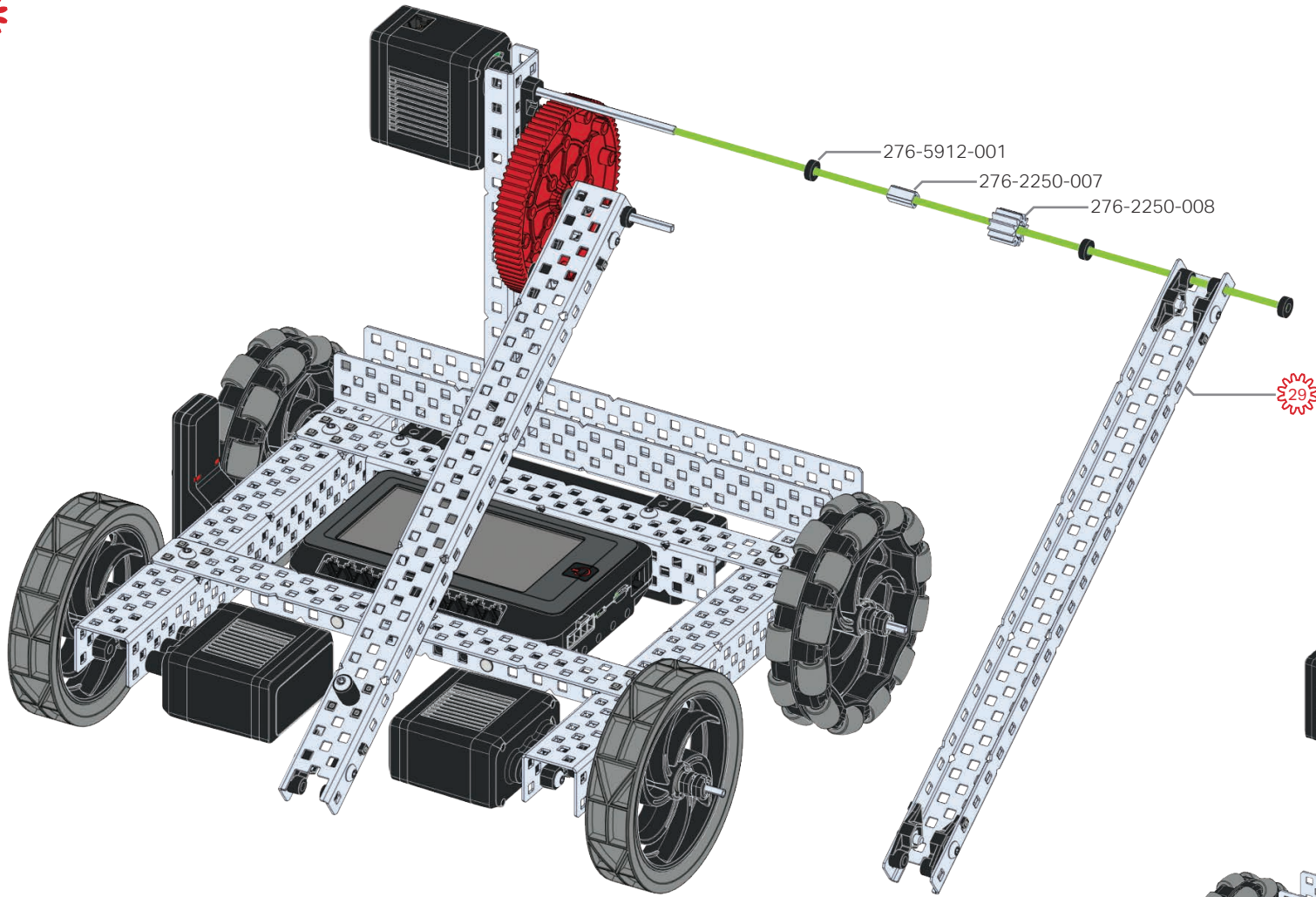




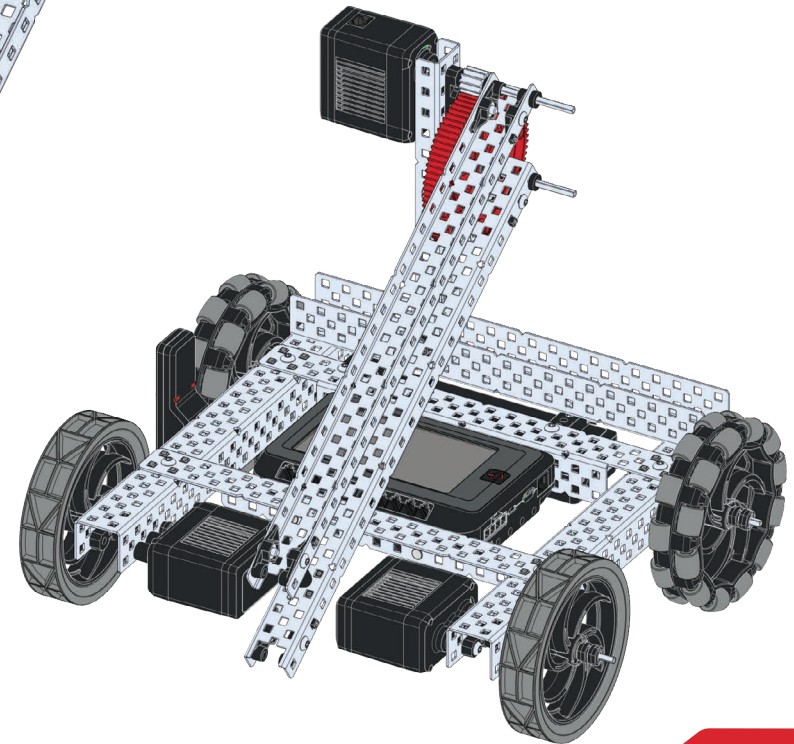
1x Rubber Shaft Collar
228-2500-143



2x 0.125" Nylon Spacer
276-5912-001

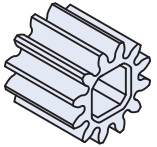


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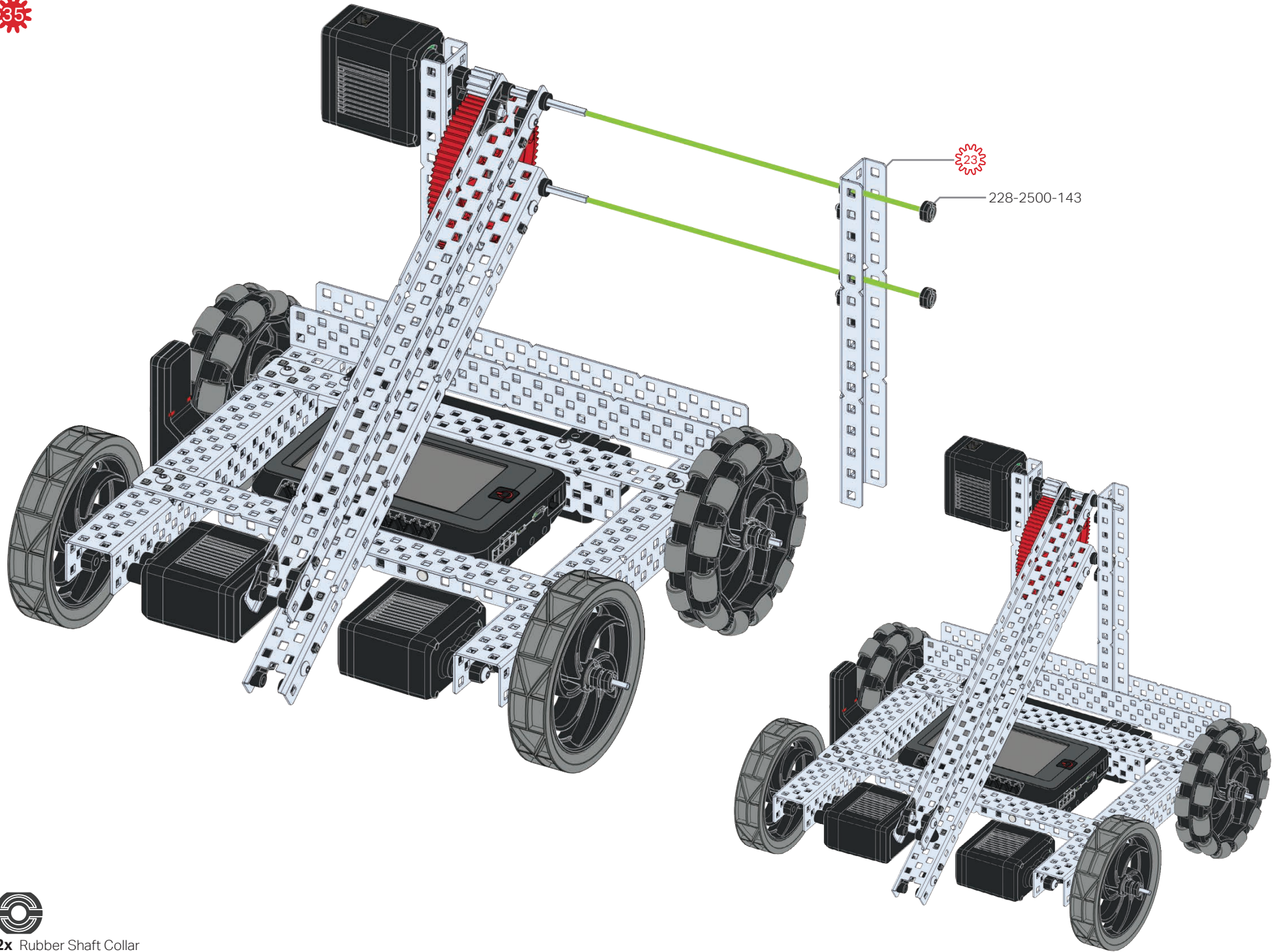
3x 0.125" Nylon Spacer
276-5912-001



1x 12T Metal Pinion
276-2250-008



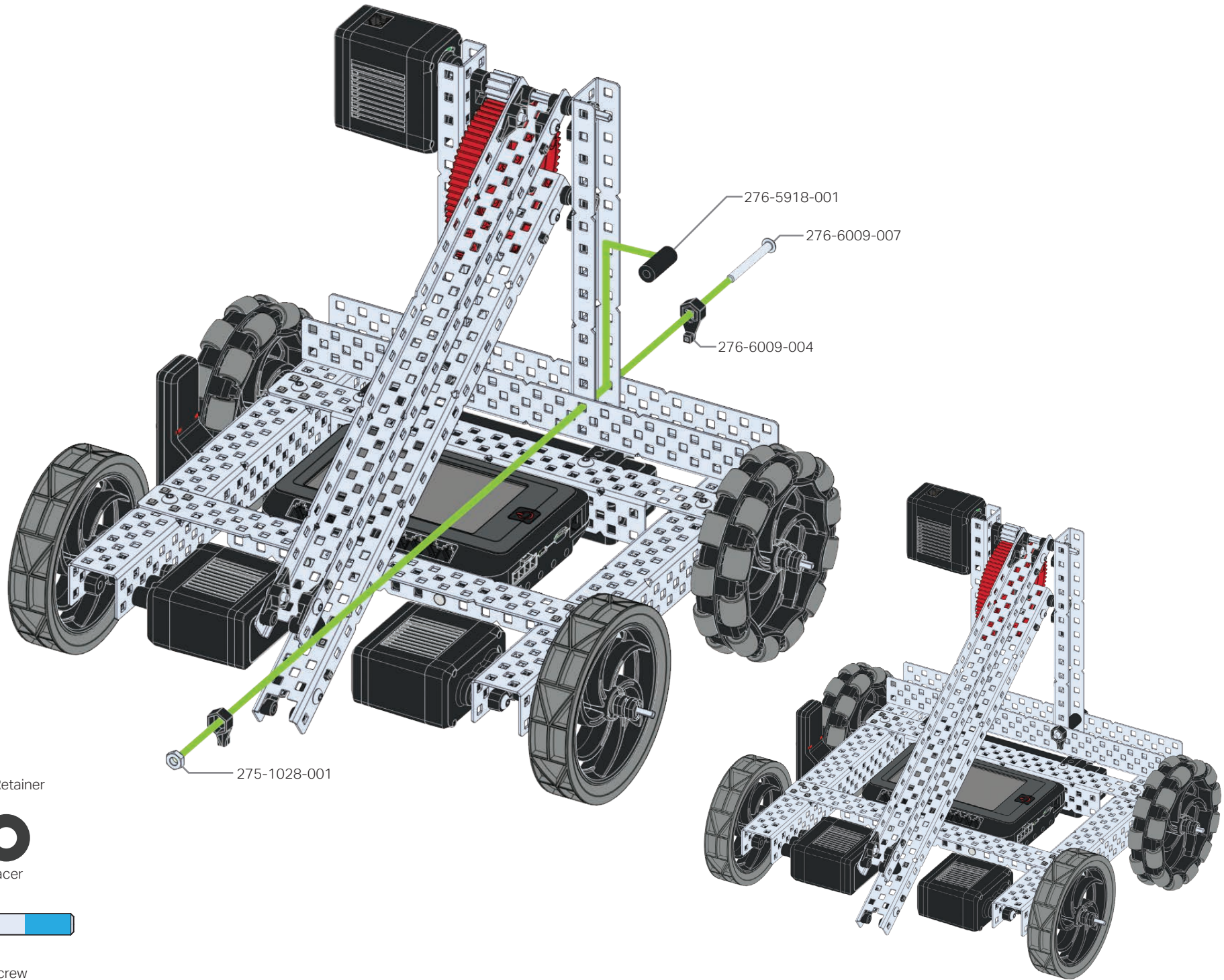
1x High Strength Shaft Adapter (1/8" Square Bore, 1/2" Long)
276-2250-007



228-2500-143



2x Rubber Shaft Collar
228-2500-143



1x #8-32 Hex Nut
275-1028-001



2x 1-Post Hex Nut Retainer
276-6009-004

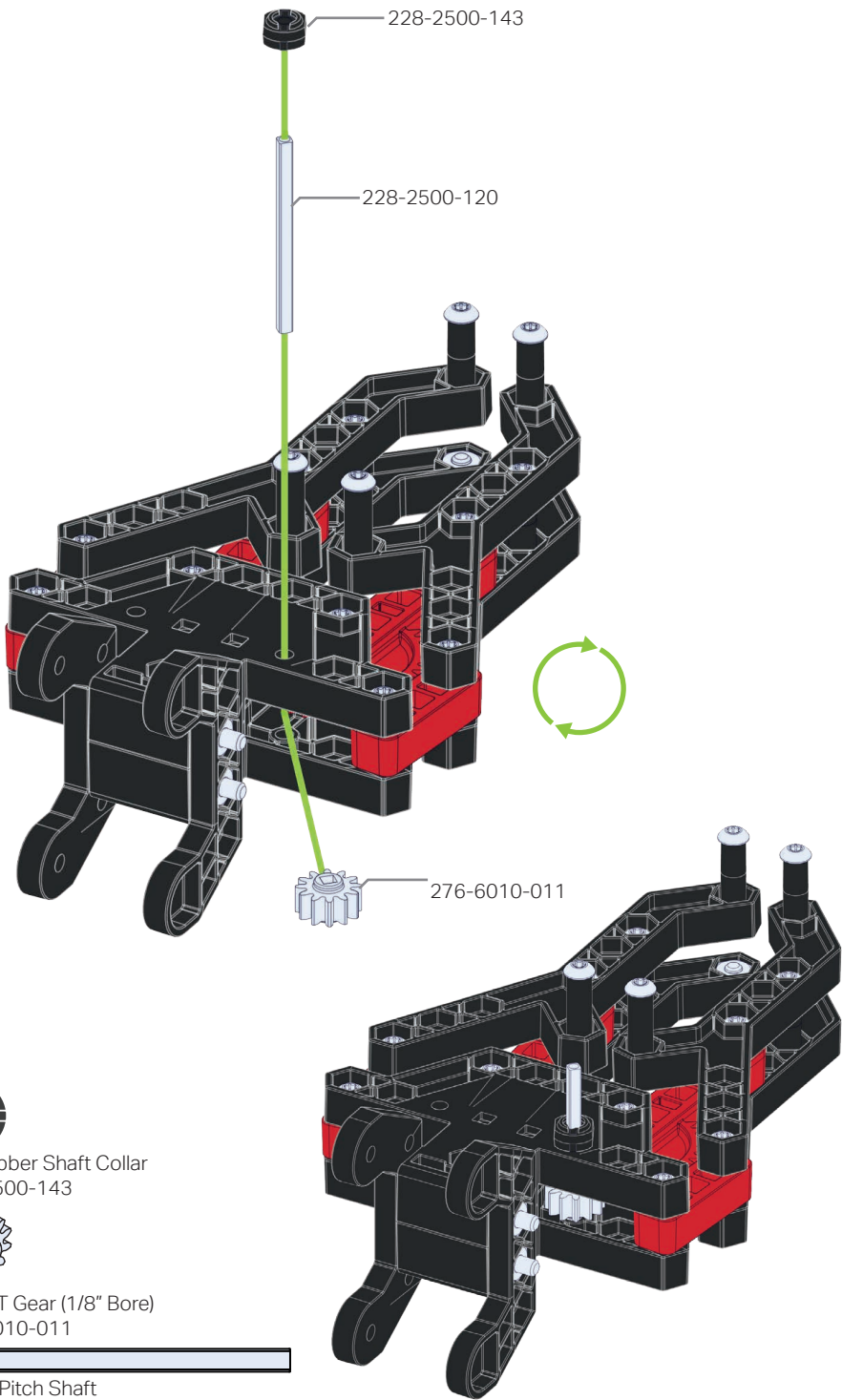


1x 0.875" Nylon Spacer
276-5918-001



1x #8-32 x 1.500"
Locking Star Drive Screw
276-6009-007

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1x Rubber Shaft Collar
228-2500-143

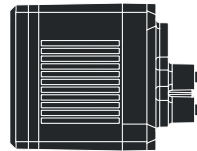
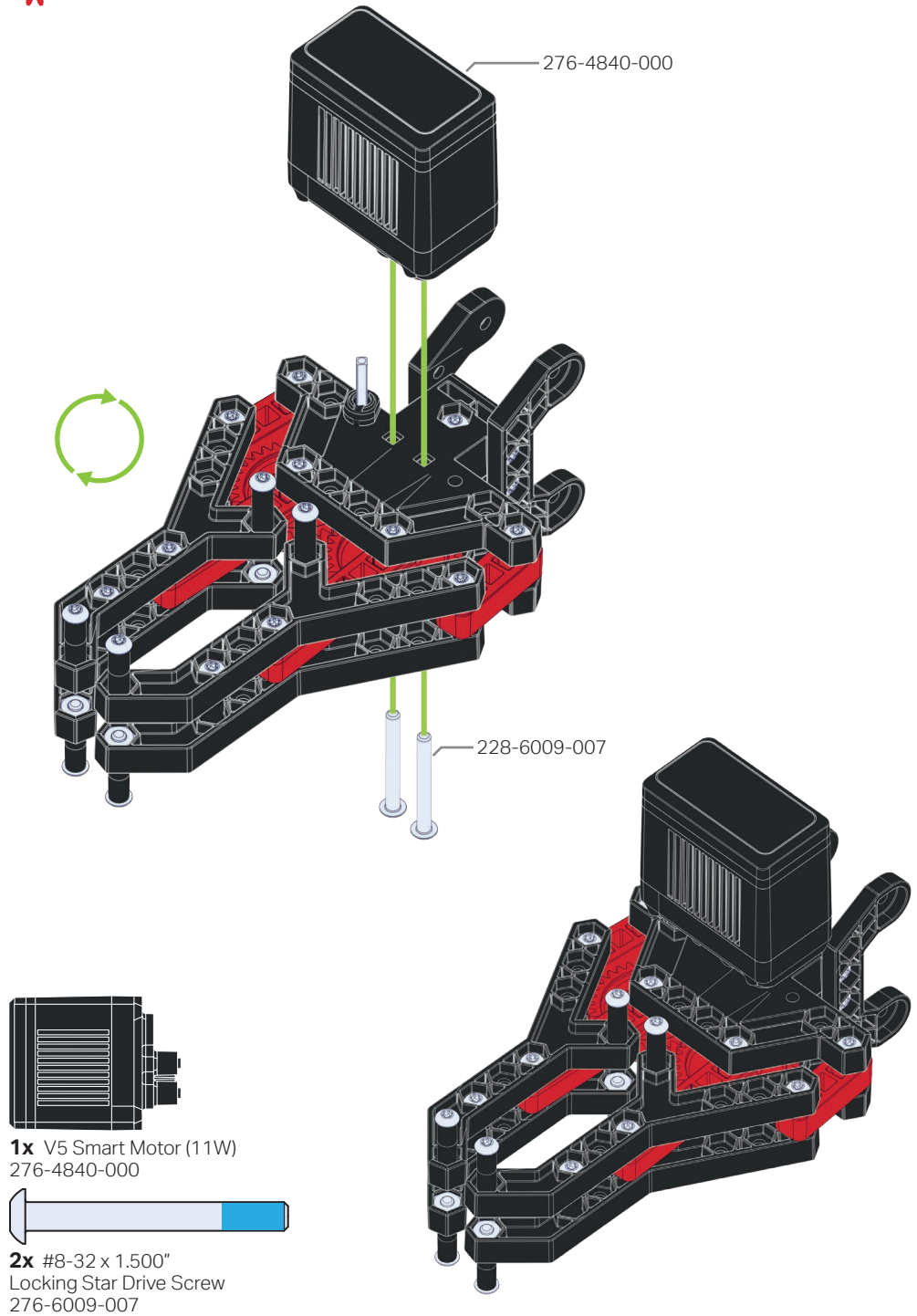


1x 12T Gear (1/8" Bore)
276-6010-011



1x 4x Pitch Shaft
228-2500-120

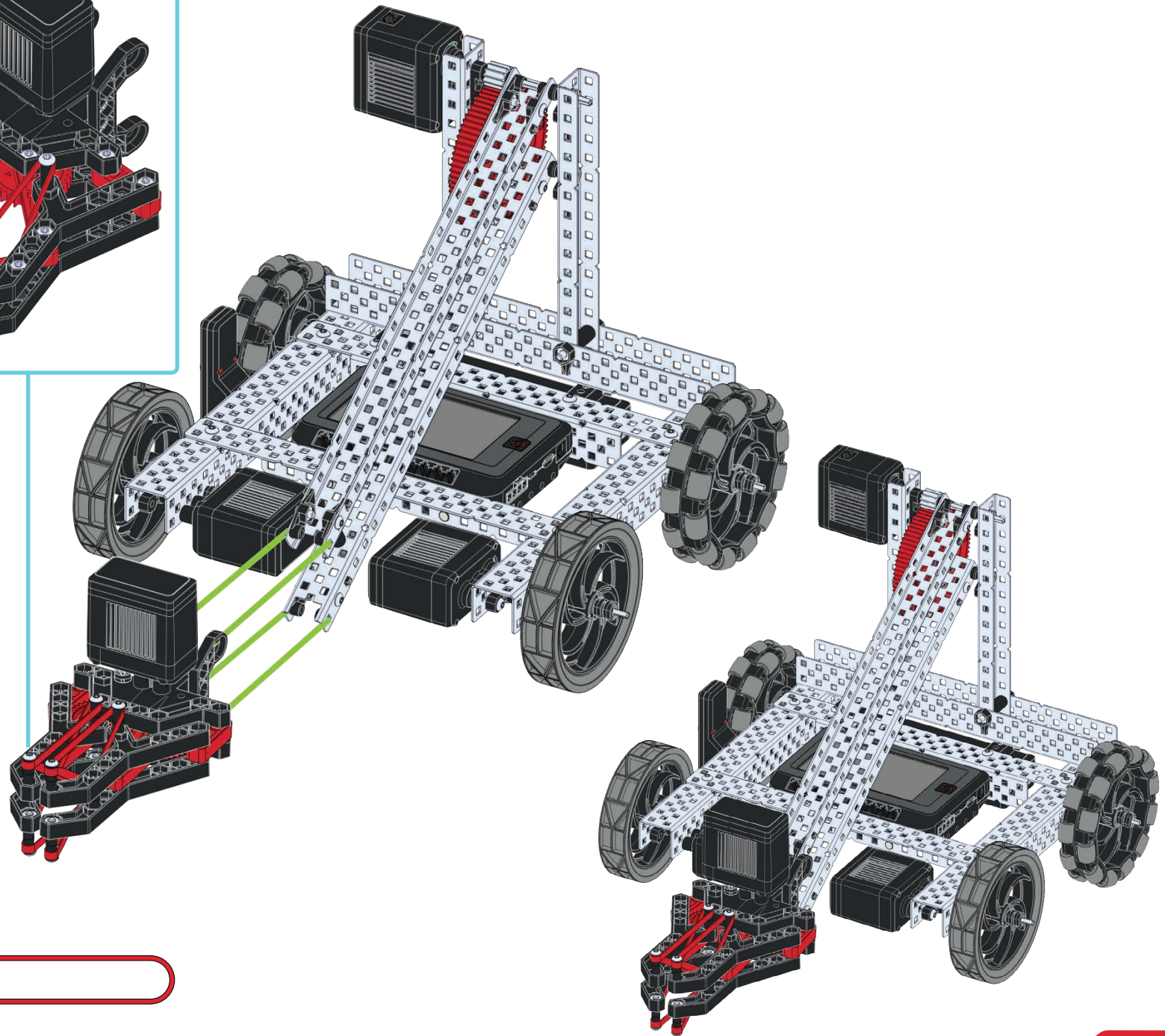
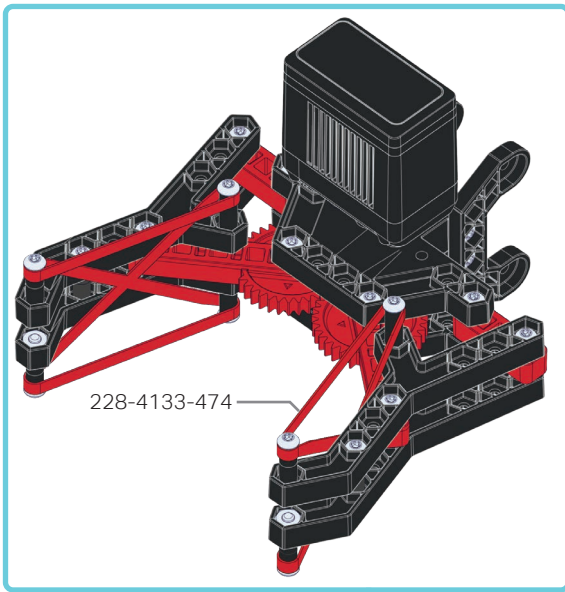
38



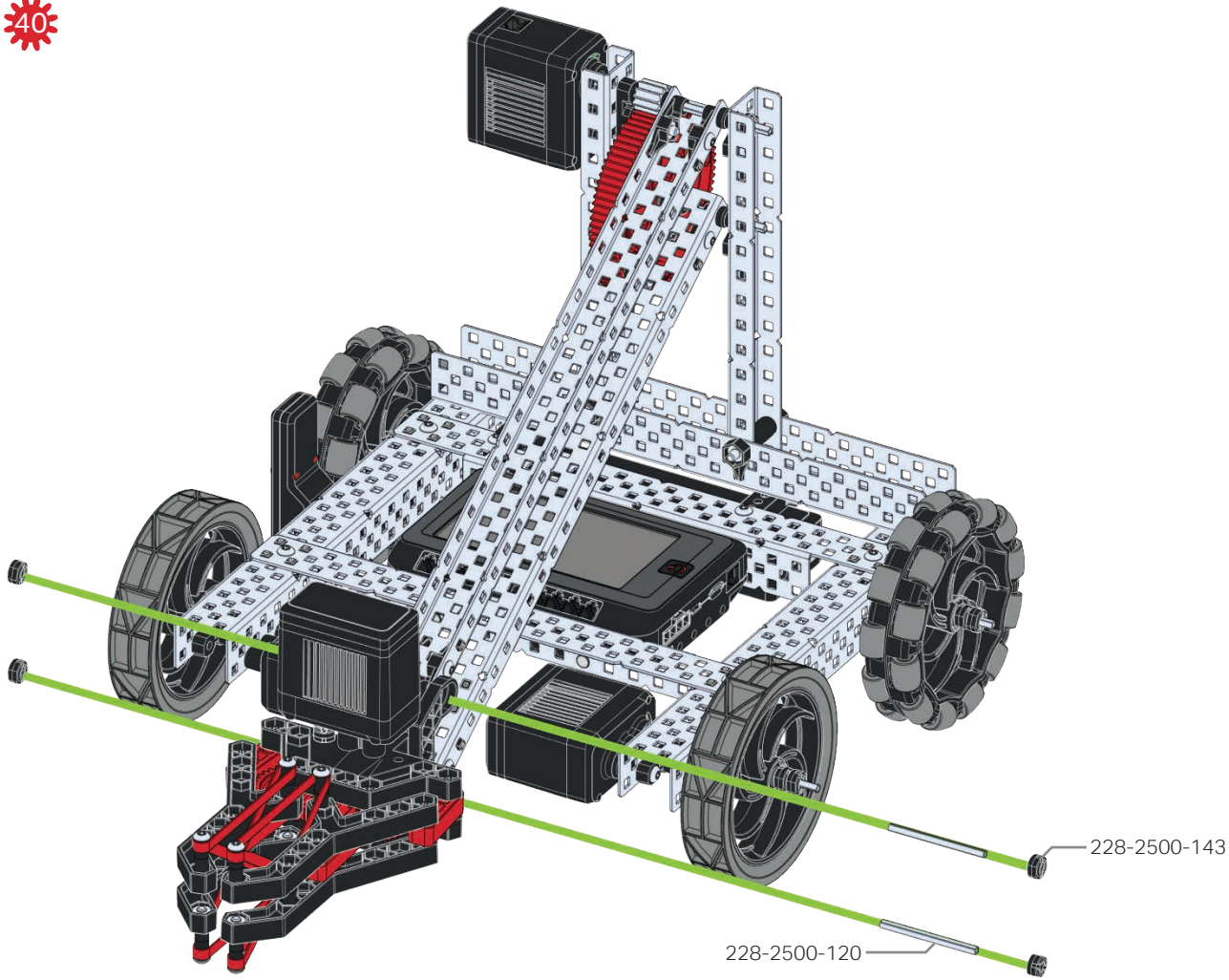
1x V5 Smart Motor (11W)
276-4840-000



2x #8-32 x 1.500"
Locking Star Drive Screw
228-6009-007

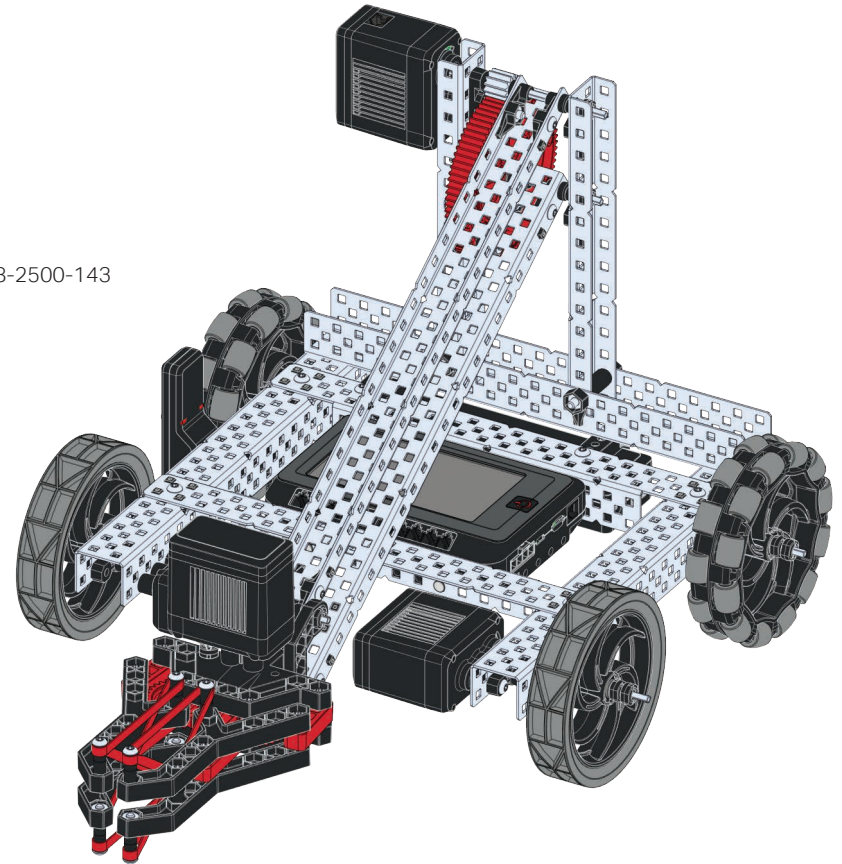


2x #32 Rubber Band
228-4133-474



228-2500-143

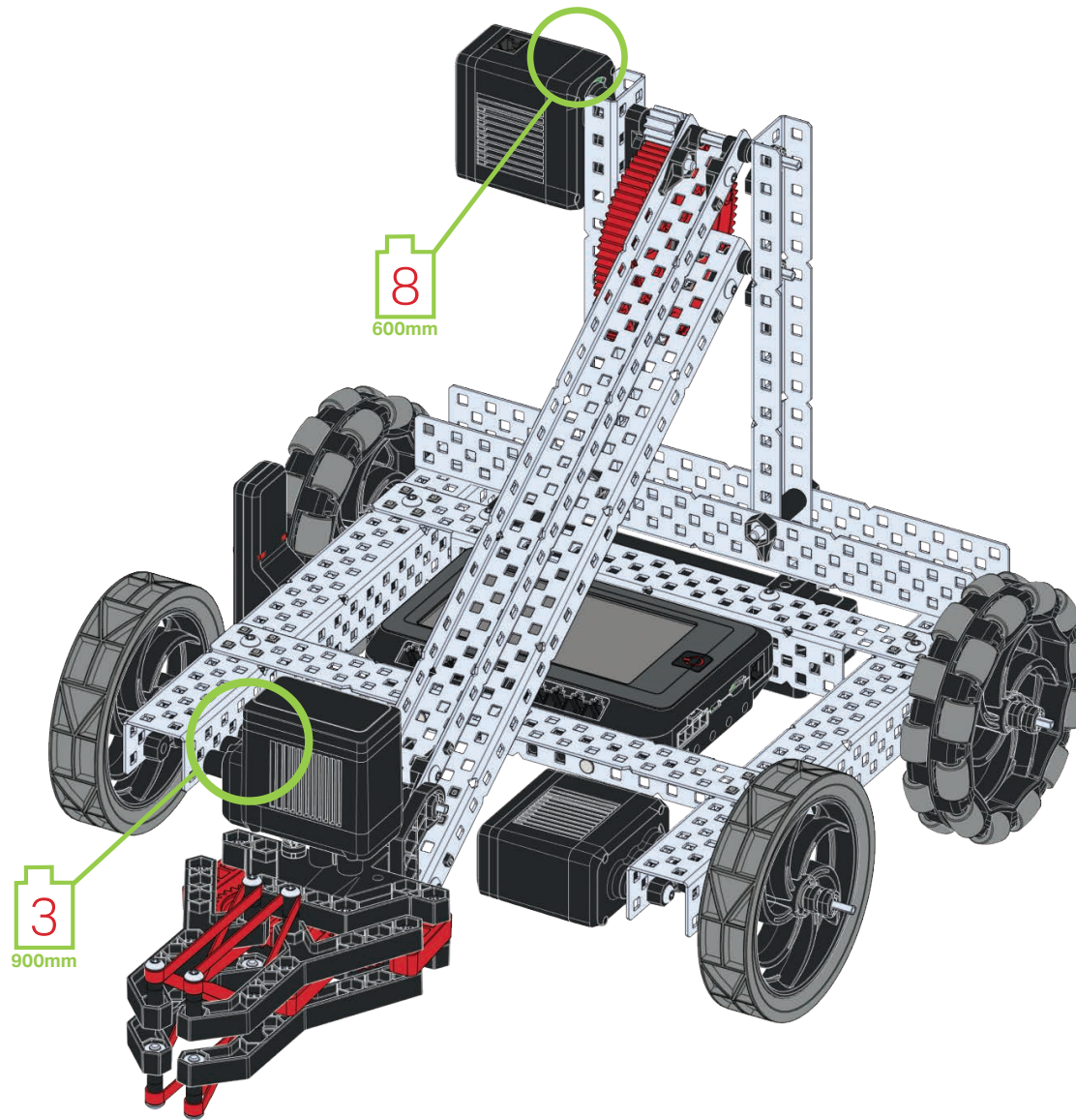
228-2500-120



4x Rubber Shaft Collar
228-2500-143



2x 4x Pitch Shaft
228-2500-120



1x 900 mm V5 Smart Cable
276-4860-010



1x 600 mm V5 Smart Cable
276-4860-030

Clawbot Build Instructions

276-6009-750 Rev6



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