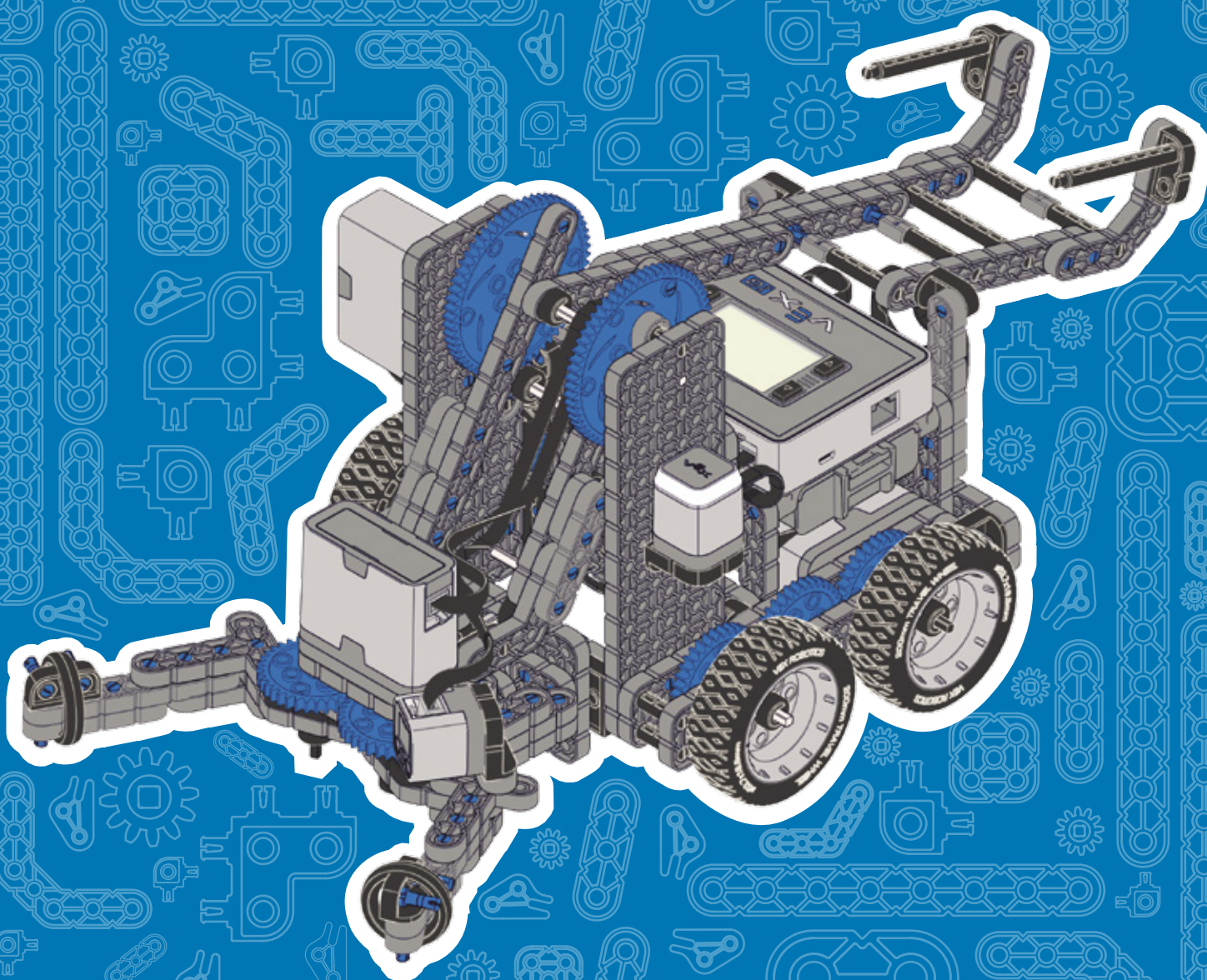
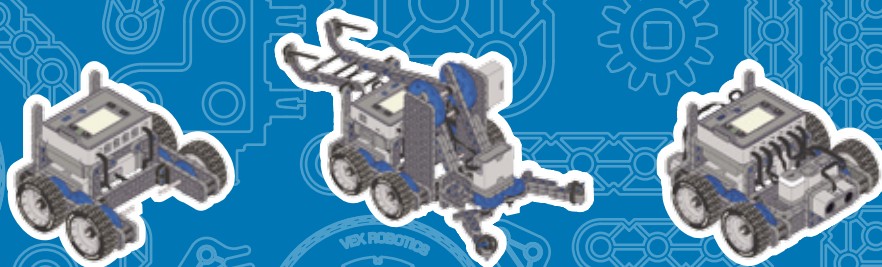


Инструкция по сборке Clawbot IQ



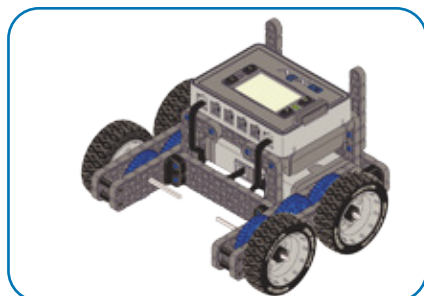
Включает руководство по сборке
всех четырех моделей роботов.



Оглавление

Полезные советы 3

1 Сборка базовой мобильной конструкции 4



Пошаговая инструкция 1-19

2 Сборка Clawbot IQ 10



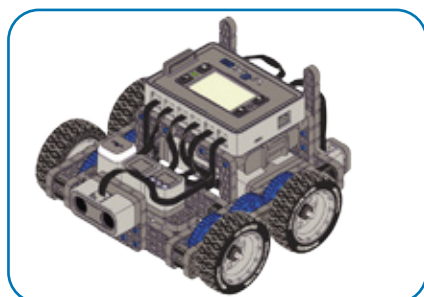
Пошаговая инструкция 20-87

3 Clawbot IQ с сенсорами 28



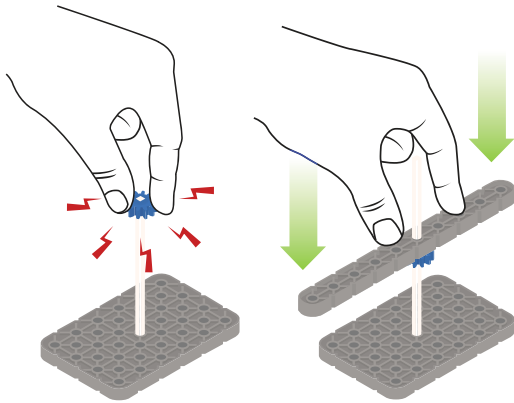
Пошаговая инструкция 88-101

4 Автопилот 32

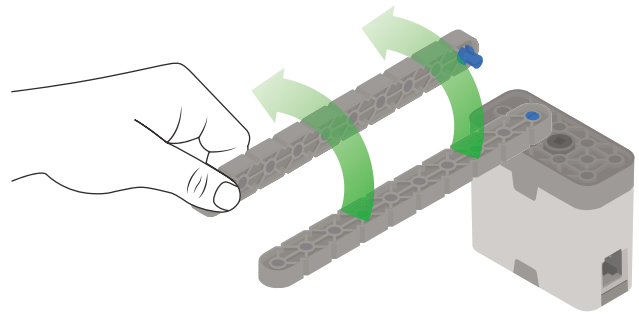


Пошаговая инструкция 102-117

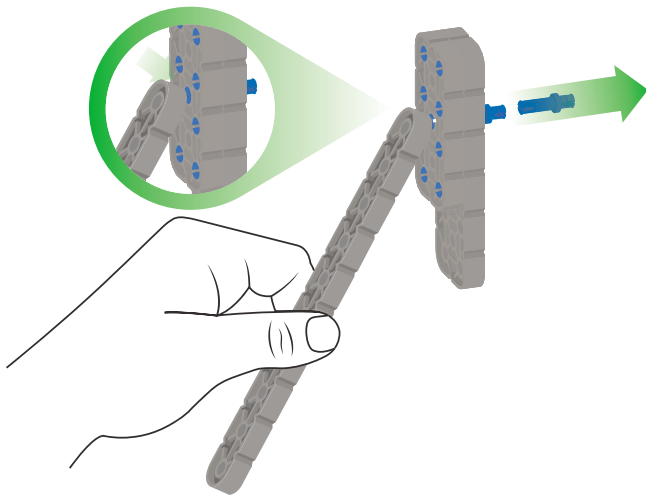
Полезные советы



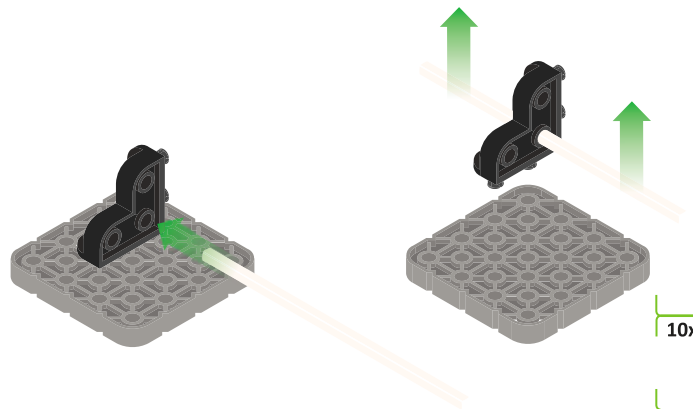
Используйте 1x планку при установке маленьких деталей VEX IQ на вал.



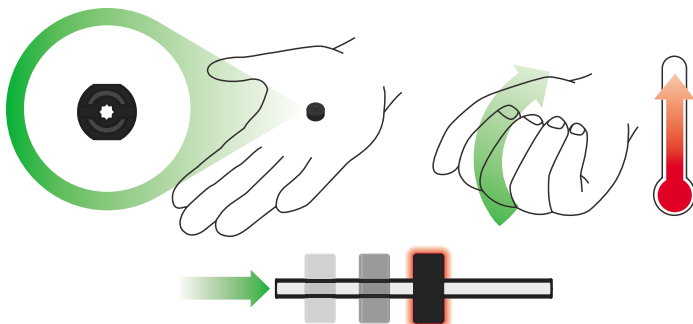
Соединительные штифты могут быть аккуратно сняты с моторов, сенсоров или микроконтроллера с помощью 1x планки. Установите планку на штифт и в процессе снятия – поверните ее.



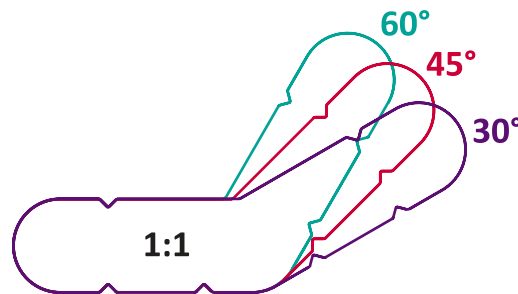
Для простого отсоединения соединительного штифта нажмите на его заднюю часть 1x планкой.



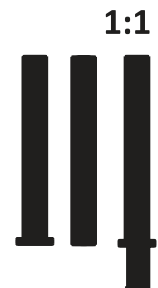
Для простого отсоединения угловых соединительных элементов поместите вал в одно из отверстий элемента и потяните.



Резиновые кольца для вала становятся более мягкими и гибкими (для более простой установки на вал) если их нагреть, подержав в руке 15-30 секунд.



Удобнее всего узнавать угол угловых планок – сравнивать их с планками, угол наклона которых уже известен. Чтобы узнать длину вала – приложите его к планке VEX IQ и посчитайте деления.



10x
9x
8x
7x
6x
5x
4x
3x
2x
1x

1. Сборка базовой мобильной конструкции

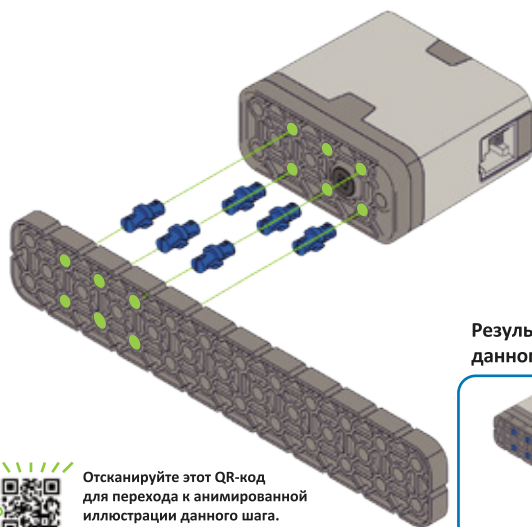
1

Используемые детали

6x
228-2500-060

1x
228-2500-026

1x
228-2560



Результат выполнения
данного шага



Отсканируйте этот QR-код
для перехода к анимированной
иллюстрации данного шага.
vexiq.com/clawbotiq/1

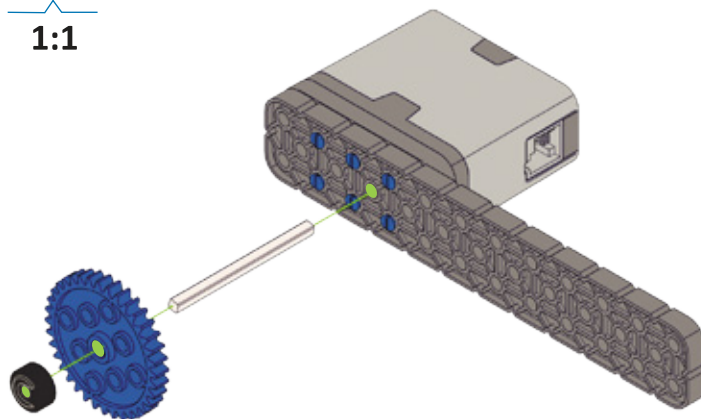
2

1x
228-2500-214

1x
228-2500-143

1x
228-2500-120 4xP

1:1

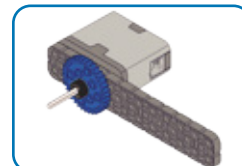


Используйте 1x планку
при установке вала

1x



vexiq.com/clawbotiq/2



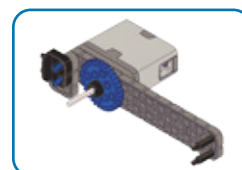
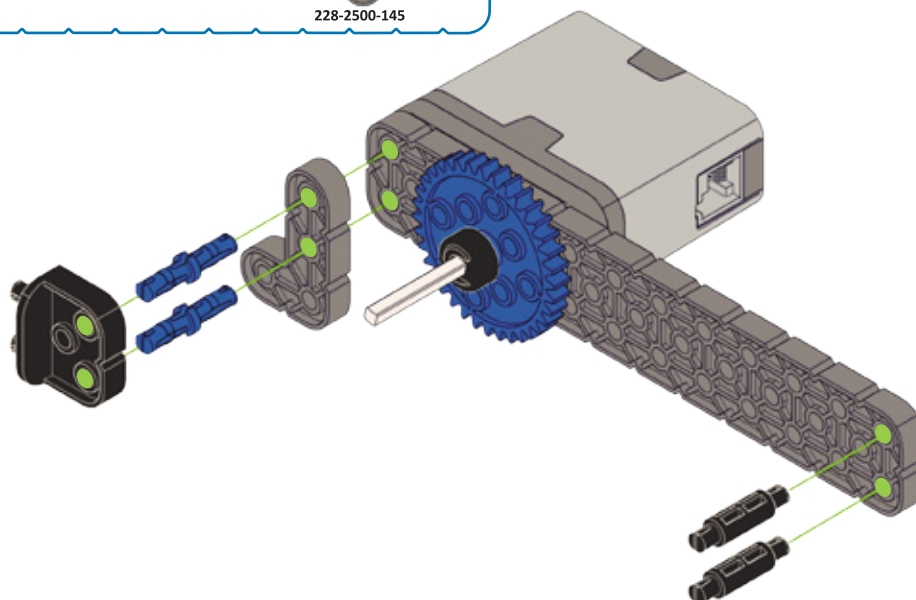
3

2x
228-2500-062

2x
228-2500-065

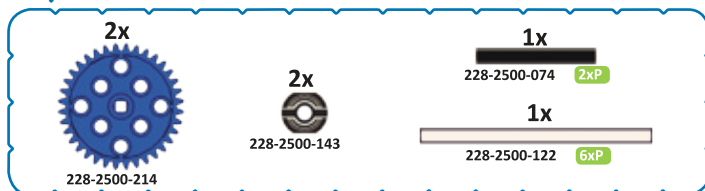
1x
228-2500-135

1x
228-2500-145

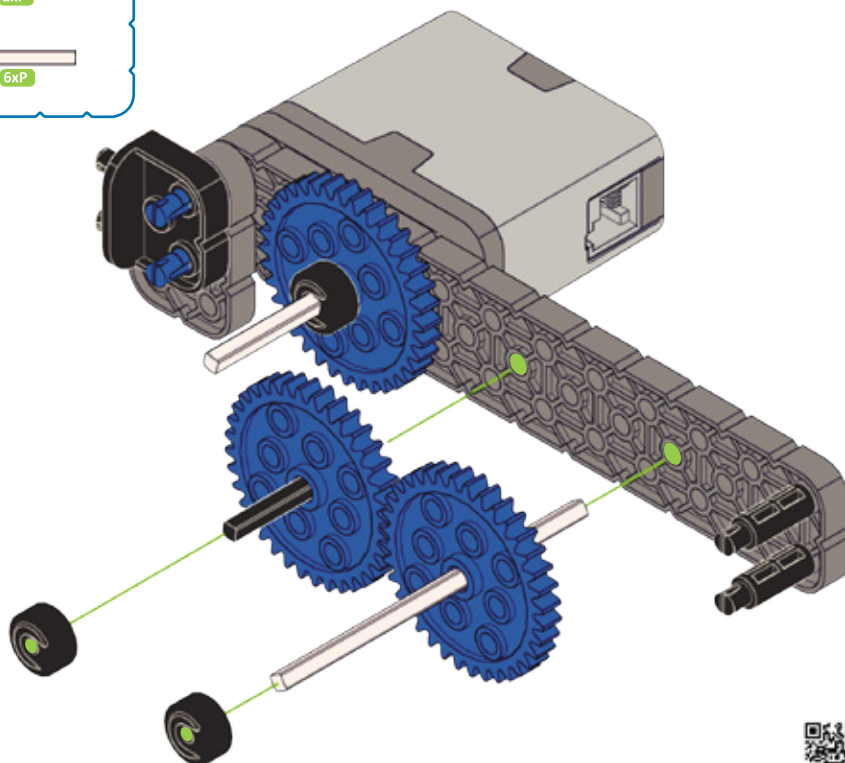
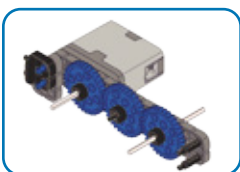
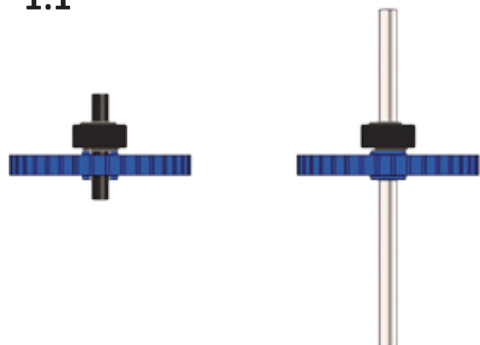


vexiq.com/clawbotiq/3

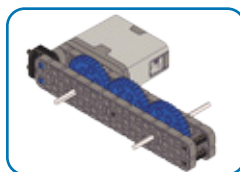
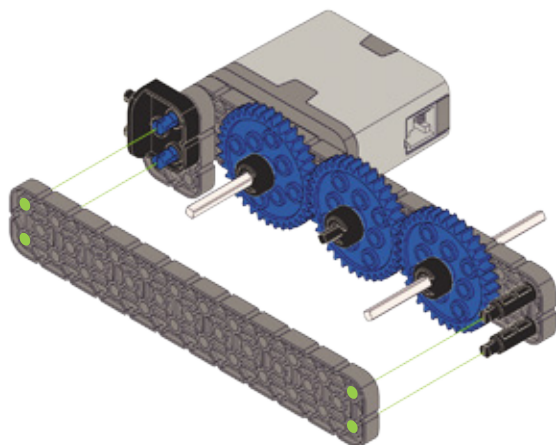
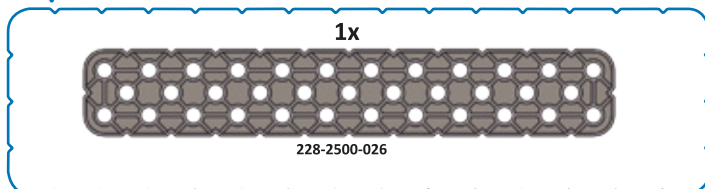
4



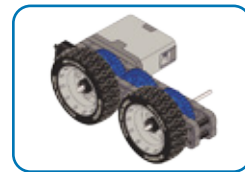
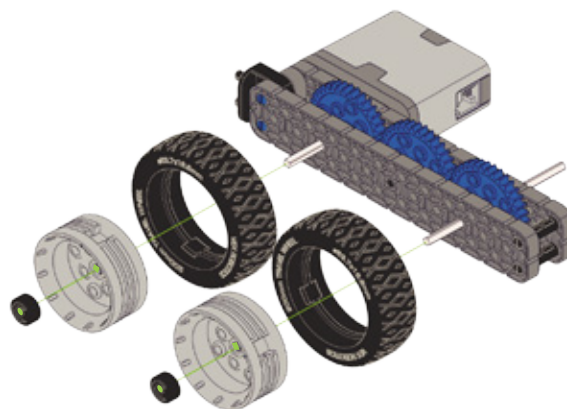
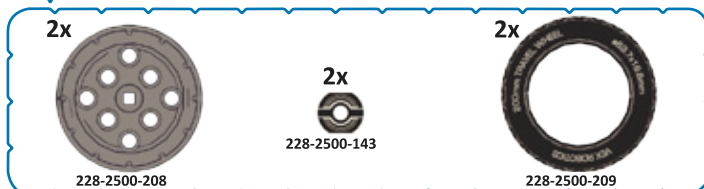
1:1


vexiq.com/clawbotiq/4

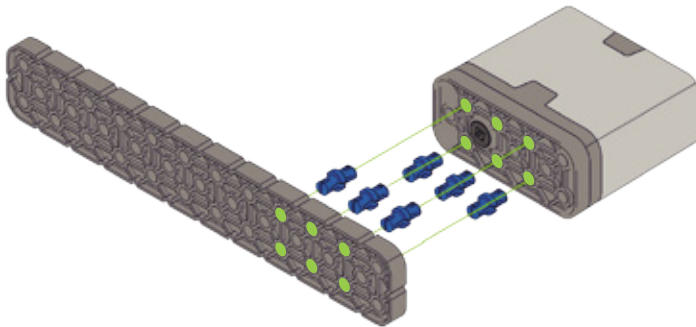

5


vexiq.com/clawbotiq/5

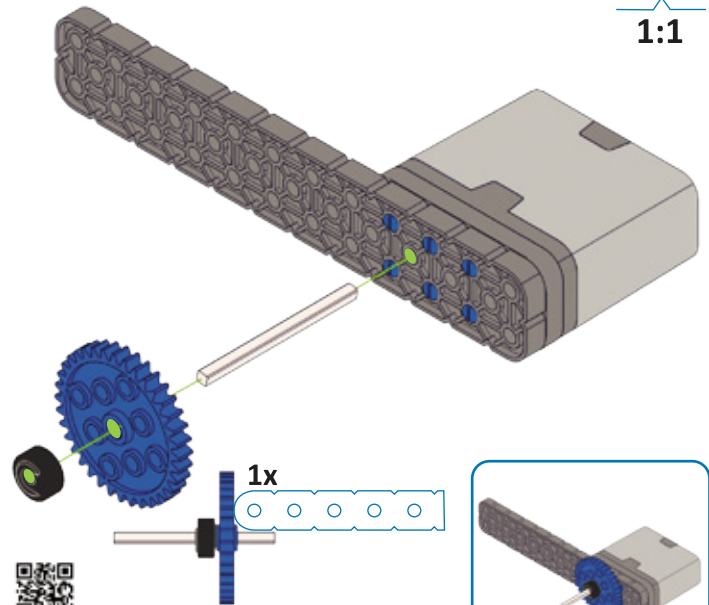
6


vexiq.com/clawbotiq/6

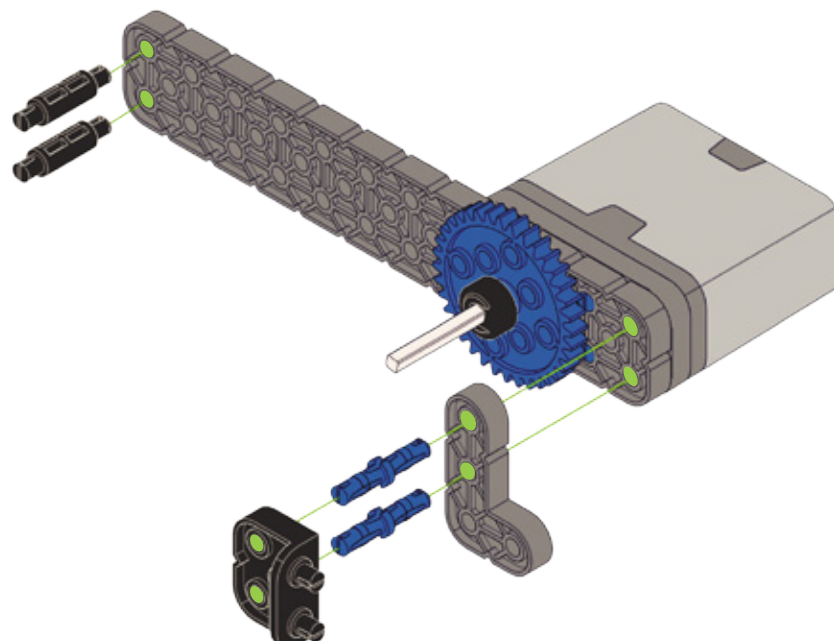
7

6x
228-2500-0601x
228-2500-0261x
228-2560
vexiq.com/clawbotiq/7

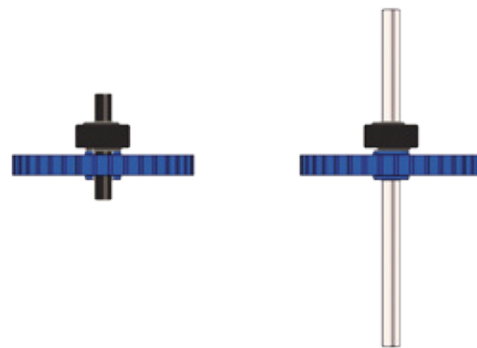
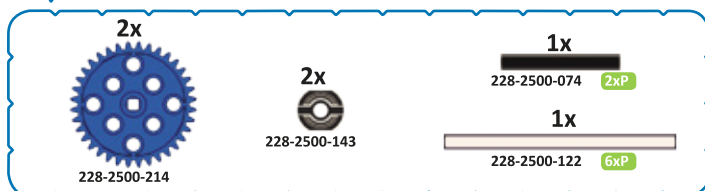
8

1x
228-2500-2141x
228-2500-1431x
228-2500-120 4xP
vexiq.com/clawbotiq/8

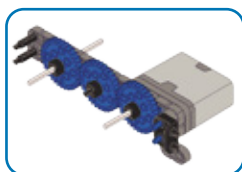
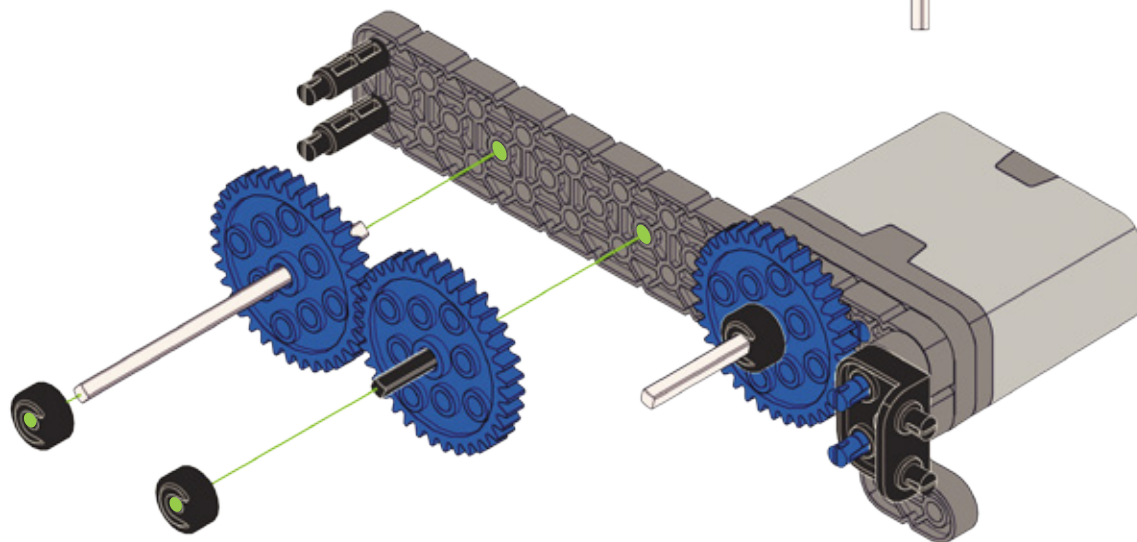
9

2x
228-2500-0622x
228-2500-0651x
228-2500-1351x
228-2500-145
vexiq.com/clawbotiq/9

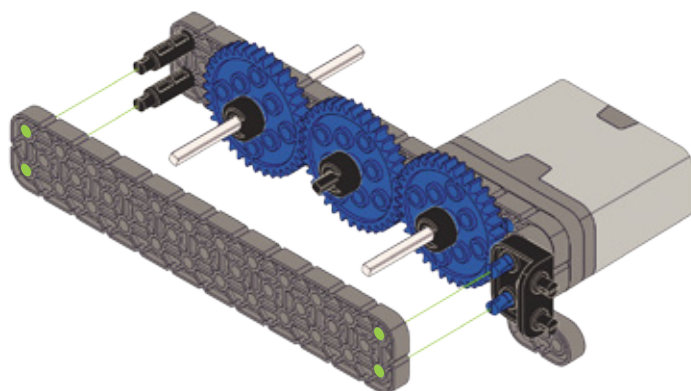
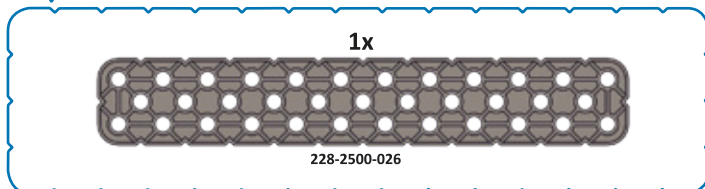
10



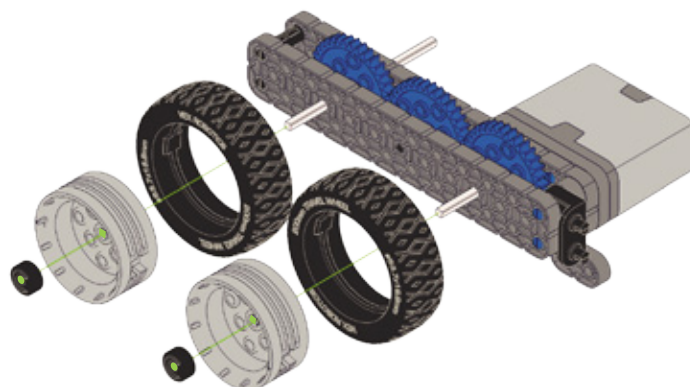
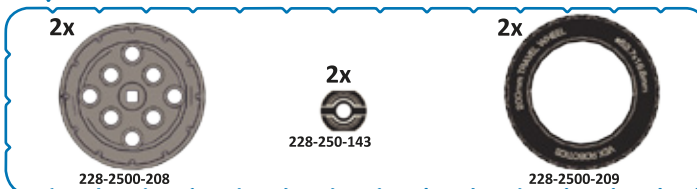
1:1


vexiq.com/clawbotiq/10

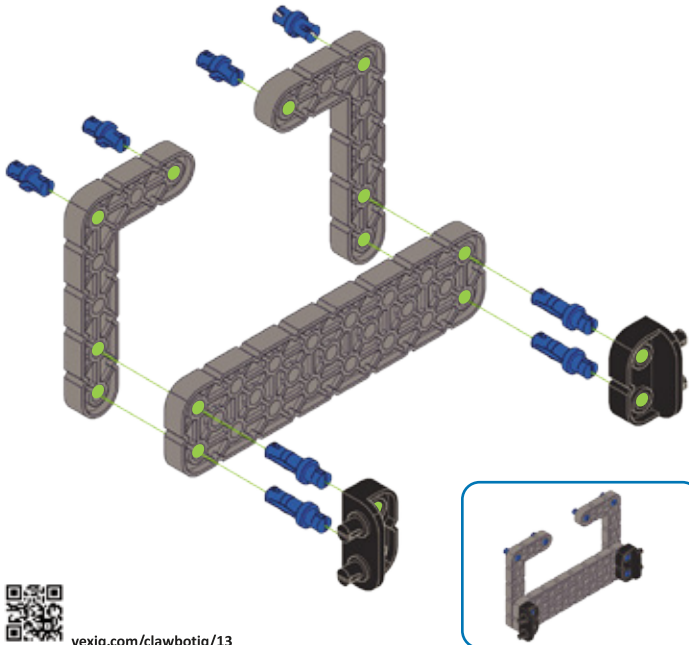
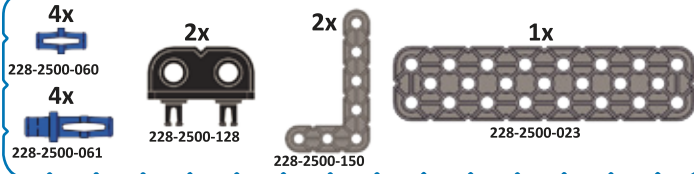

11


vexiq.com/clawbotiq/11

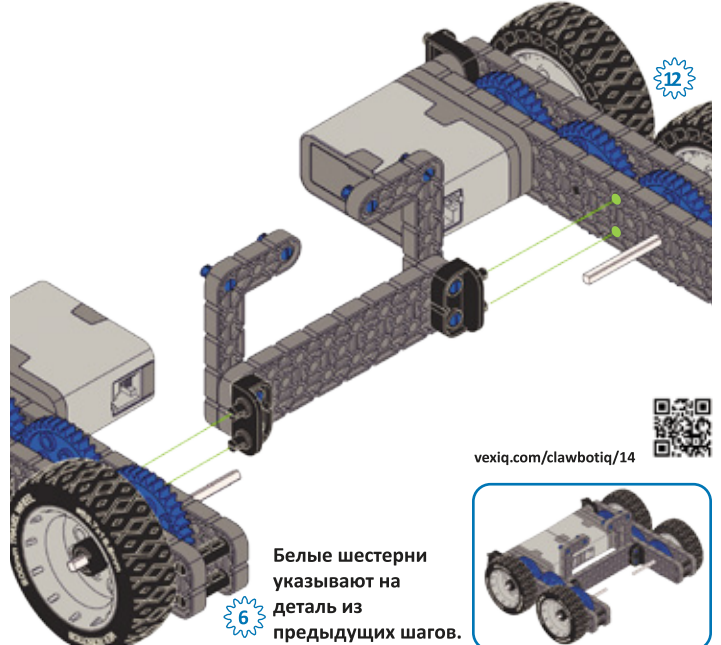
12


vexiq.com/clawbotiq/12

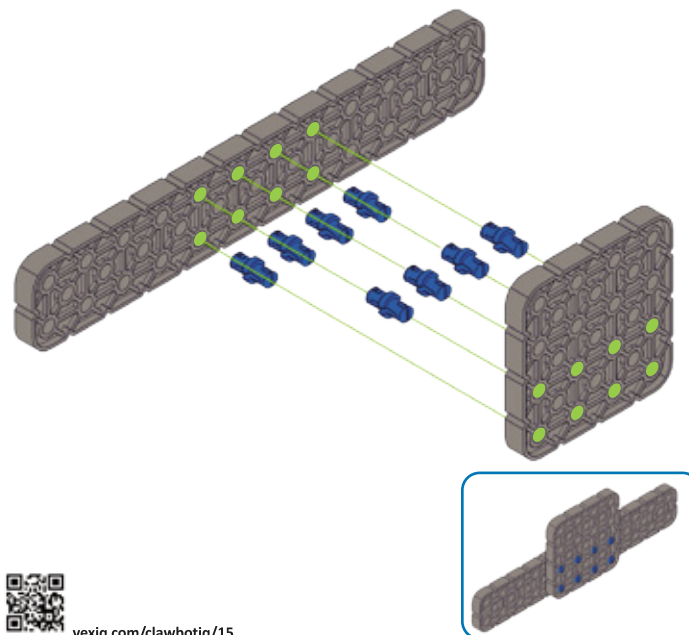
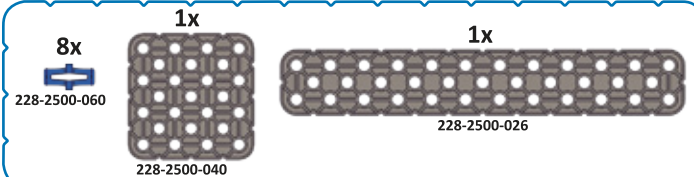
13



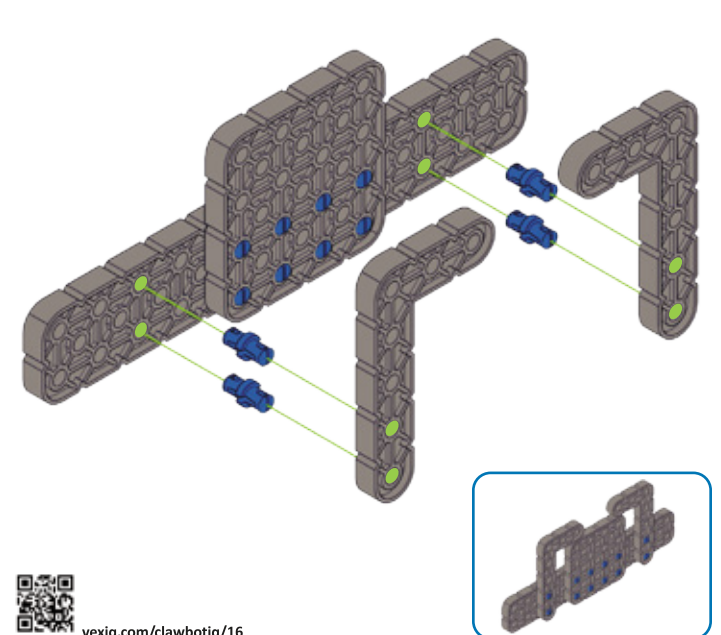
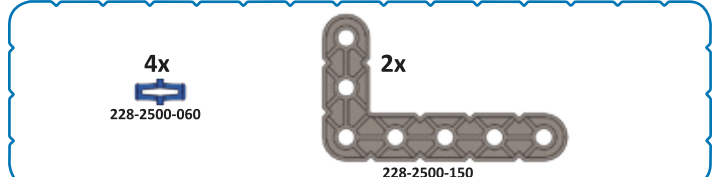
14



15



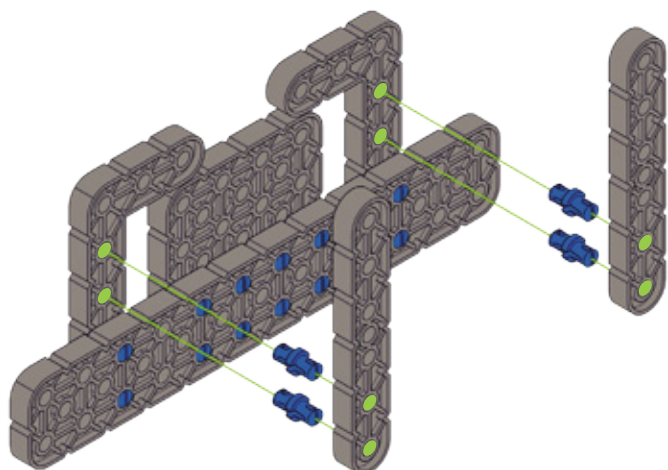
16



17

4x
228-2500-060

2x
228-2500-005



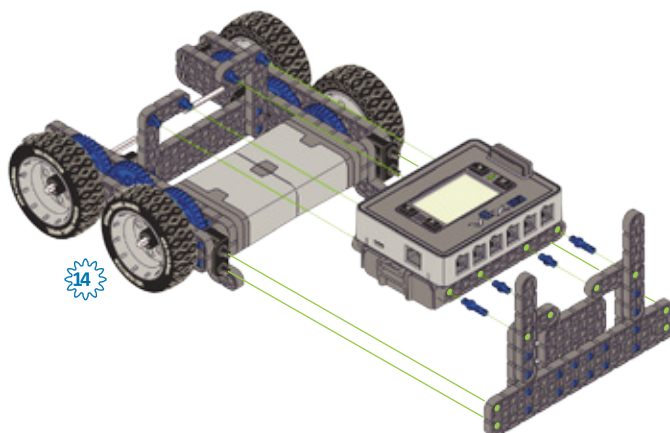
vexiq.com/clawbotiq/17

18

2x
228-2500-060

2x
228-2500-061

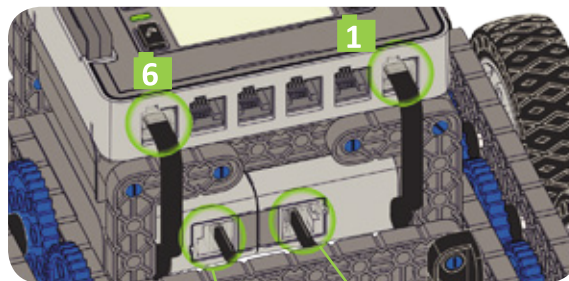
1x
228-2540



vexiq.com/clawbotiq/18

19

2x
228-2780-001 200mm



19

20

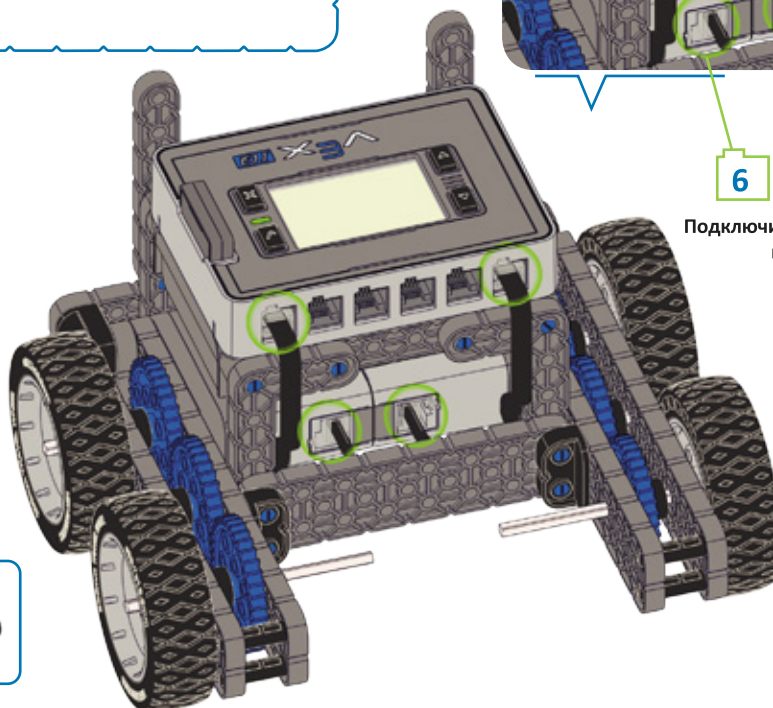
102



Clawbot IQ



Робот для
автопилота



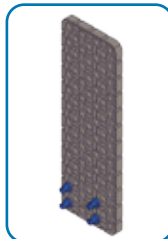
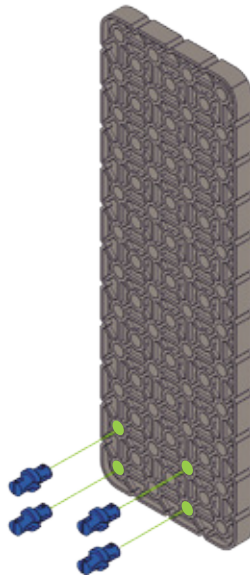
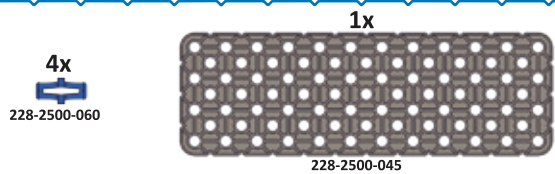
Подключите устройства к выделенным
портам контроллера

vexiq.com/clawbotiq/19



2. Сборка Clawbot IQ

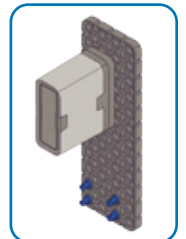
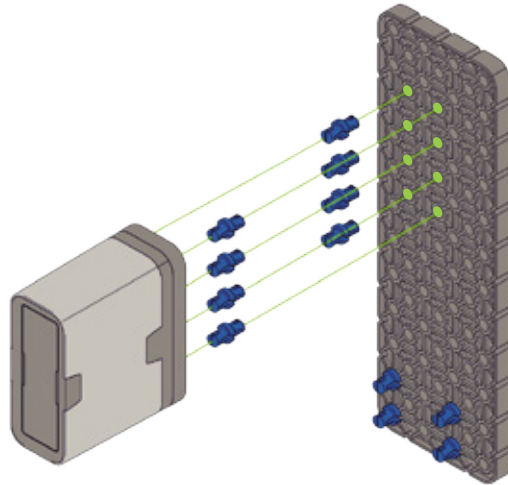
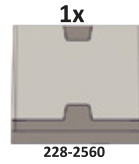
20



vexiq.com/clawbotiq/20

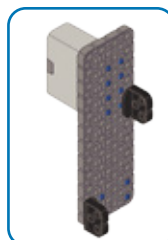
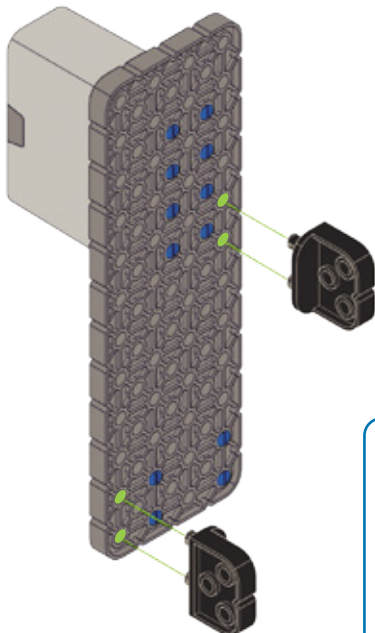
21

8x
228-2500-060



vexiq.com/clawbotiq/21

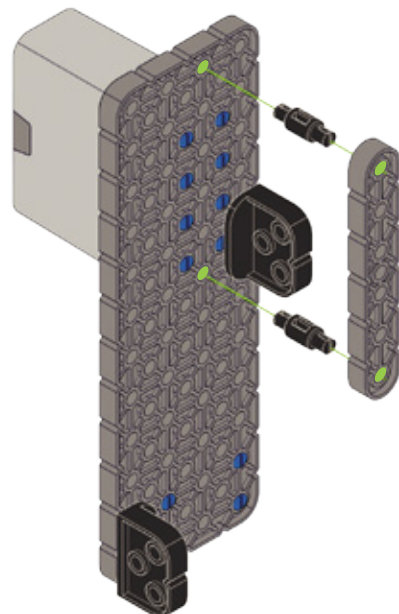
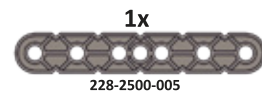
22



vexiq.com/clawbotiq/22

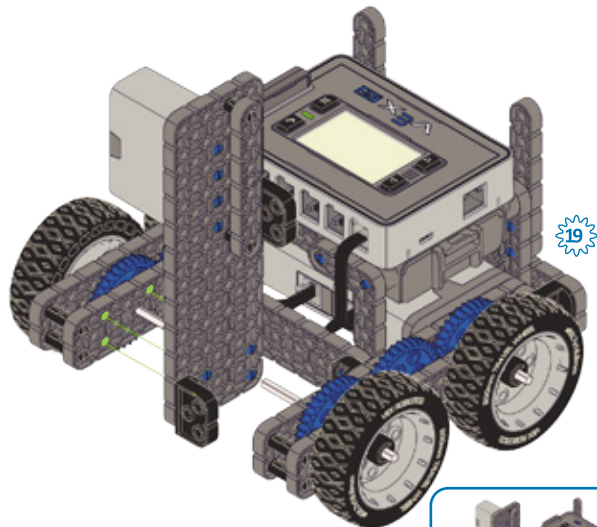
23

2x
228-2500-064

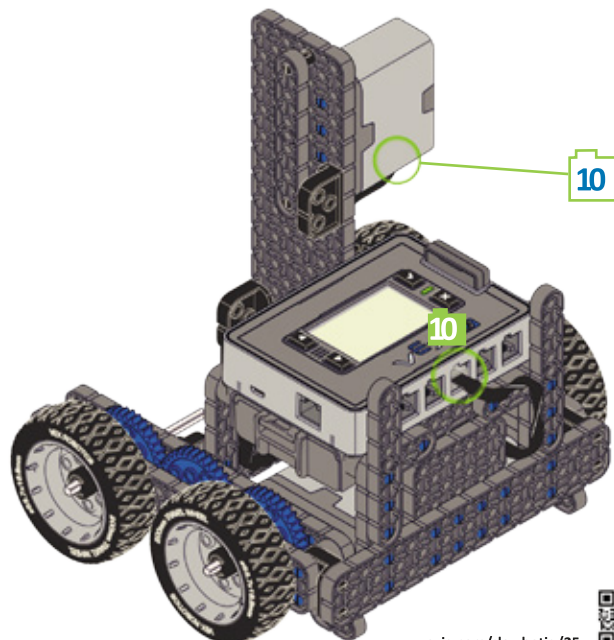


vexiq.com/clawbotiq/23

24


vexiq.com/clawbotiq/24

25


vexiq.com/clawbotiq/25

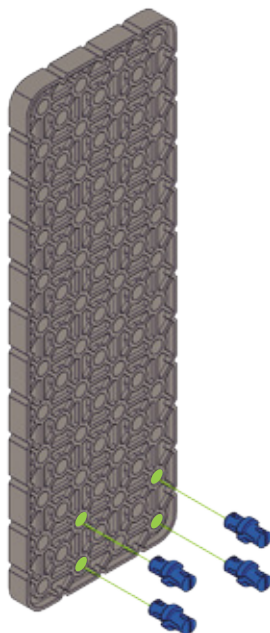
26

 4x
 228-2500-060

1x



228-2500-045

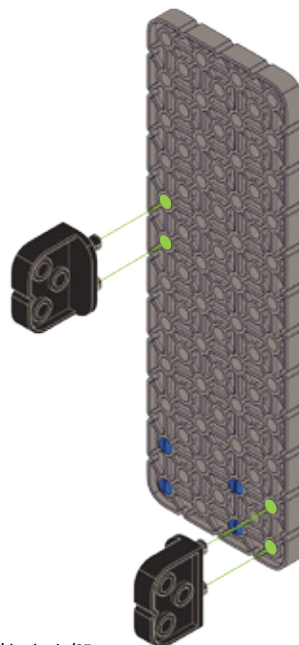

vexiq.com/clawbotiq/26

27

2x



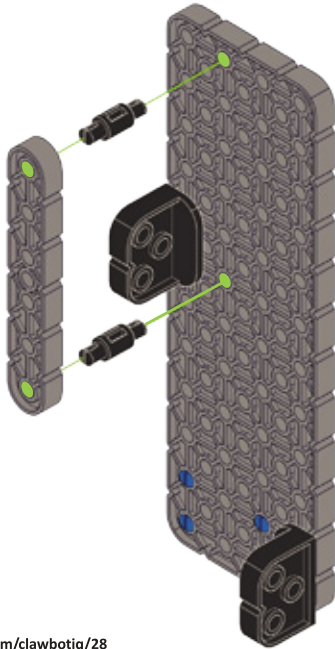
228-2500-135


vexiq.com/clawbotiq/27

28

2x
228-2500-064

1x
228-2500-005



vexiq.com/clawbotiq/28

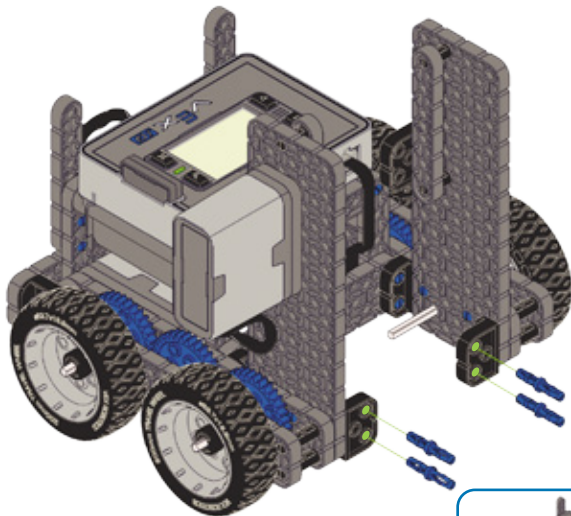
29



vexiq.com/clawbotiq/29

30

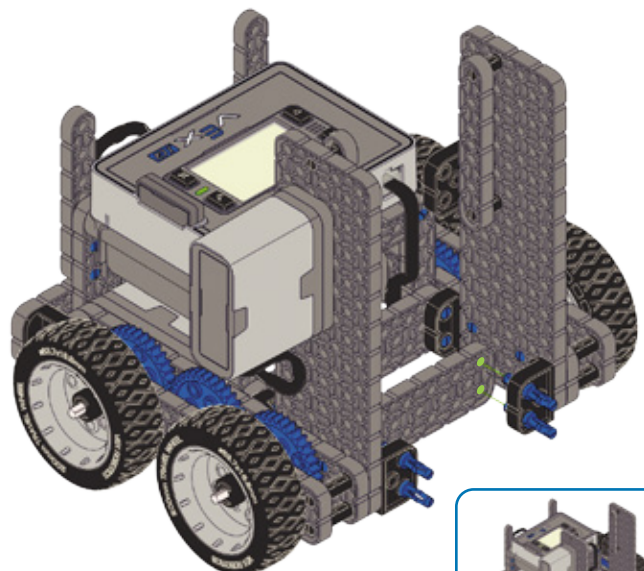
4x
228-2500-062



vexiq.com/clawbotiq/30

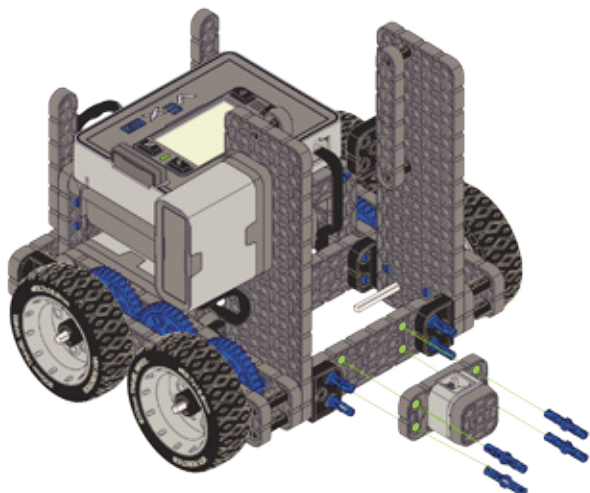
31

1x
228-2500-021

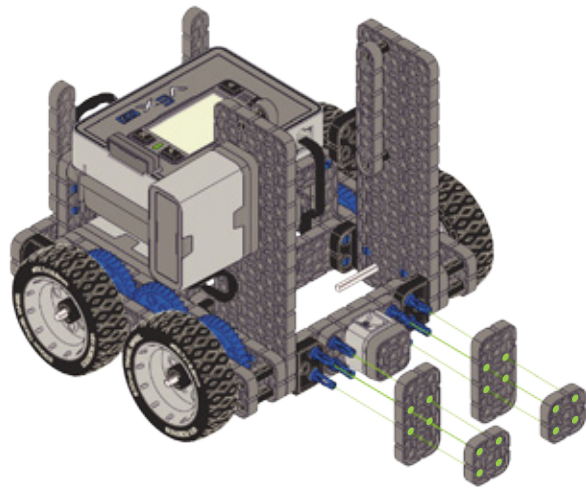


vexiq.com/clawbotiq/31

32

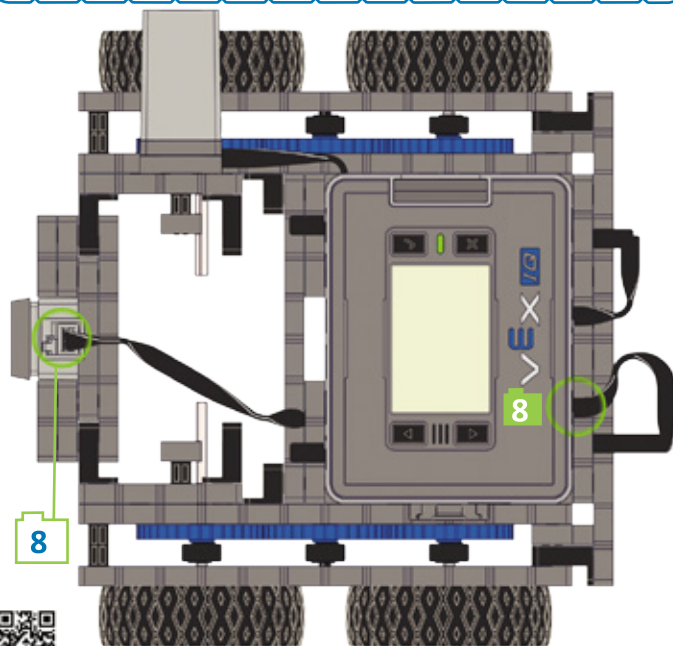
4x
228-2500-0621x
228-2677
vexiq.com/clawbotiq/32

33

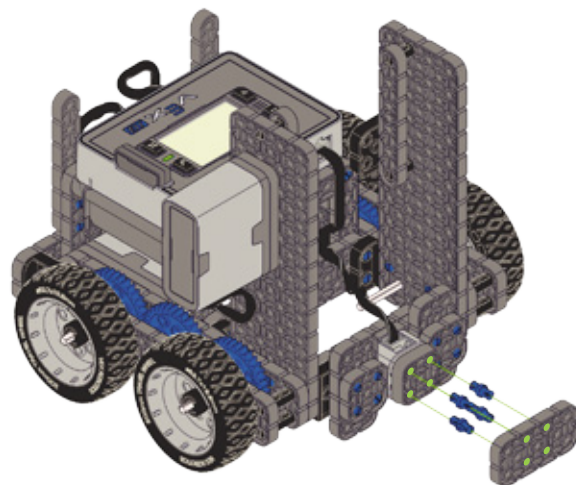
2x
228-2500-0172x
228-2500-019
vexiq.com/clawbotiq/33

34

228-2780-002 300mm


vexiq.com/clawbotiq/34

35

4x
228-2500-0601x
228-2500-019
vexiq.com/clawbotiq/35



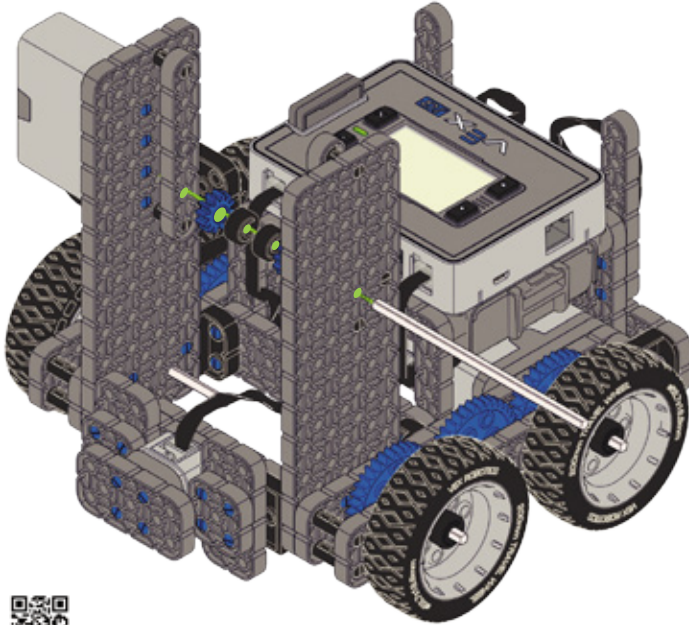
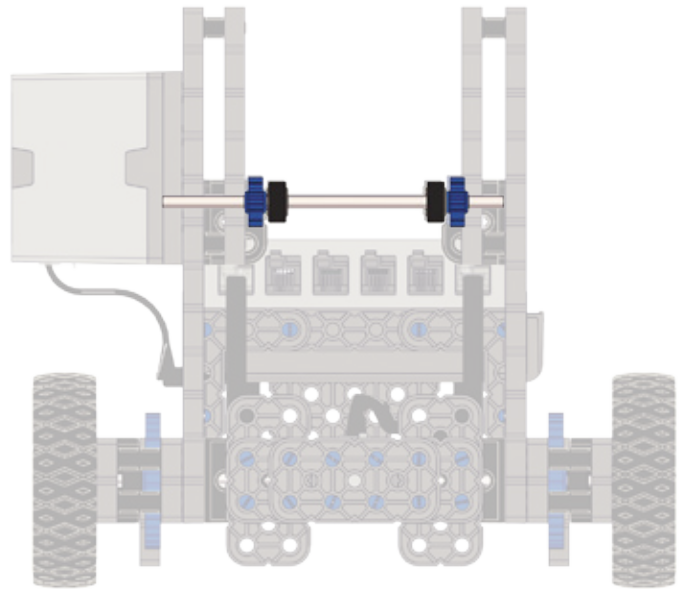
228-250-143



228-2500-213

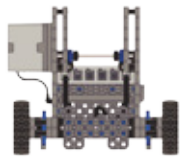
1x

228-2500-124 8xP



vexiq.com/clawbotiq/36

1:1

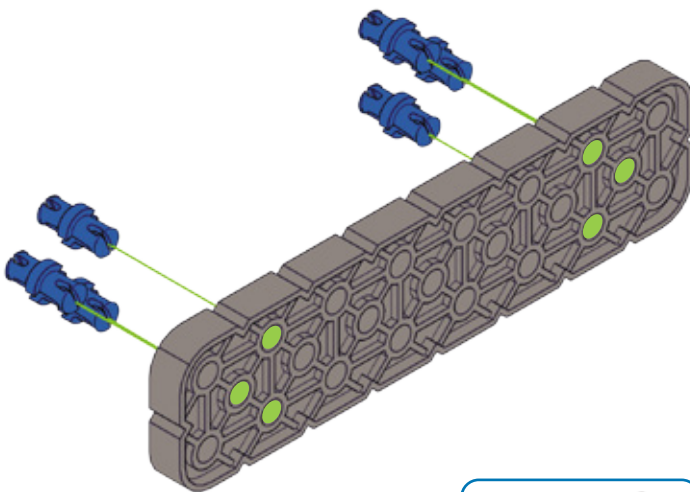


6x

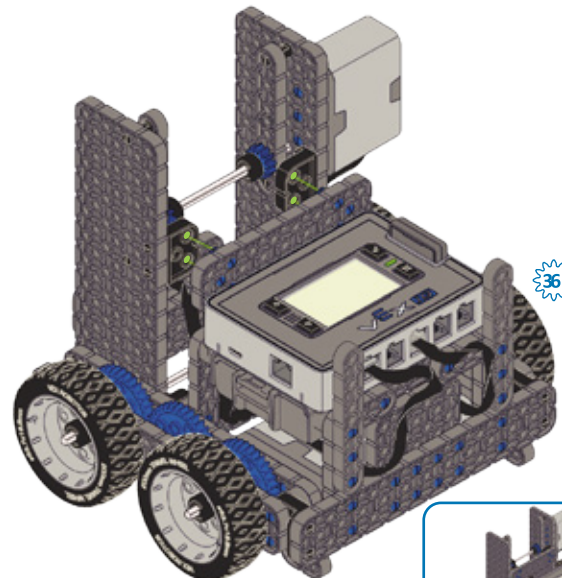
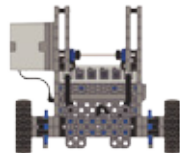
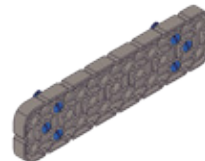
228-2500-060

1x

228-2500-023



vexiq.com/clawbotiq/37



36



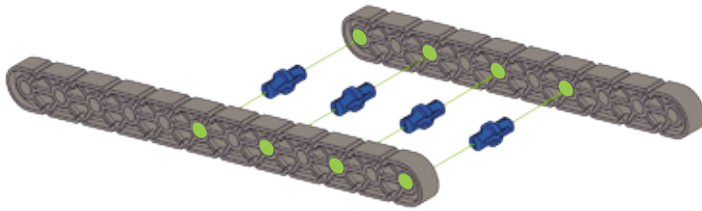
vexiq.com/clawbotiq/38



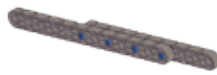
39

4x
228-2500-060

1x
228-2500-011
1x
228-2500-009



vexiq.com/clawbotiq/39

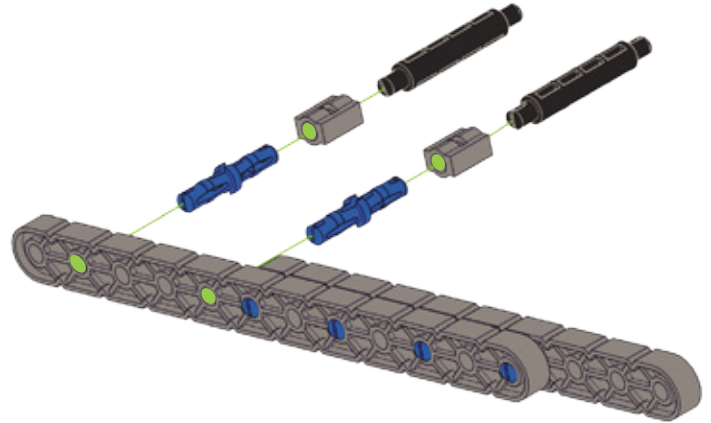


40

2x
228-2500-062

2x
228-2500-170

2x
228-2500-067



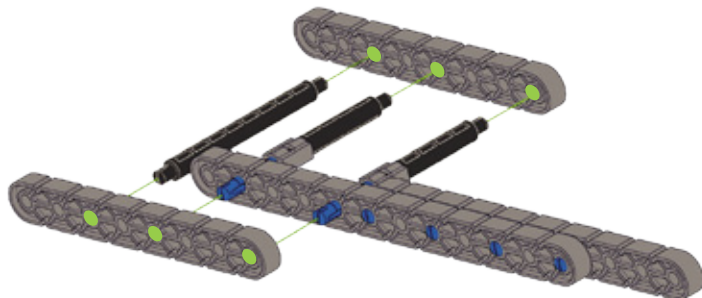
vexiq.com/clawbotiq/40



41

2x
228-2500-007

1x
228-2500-070

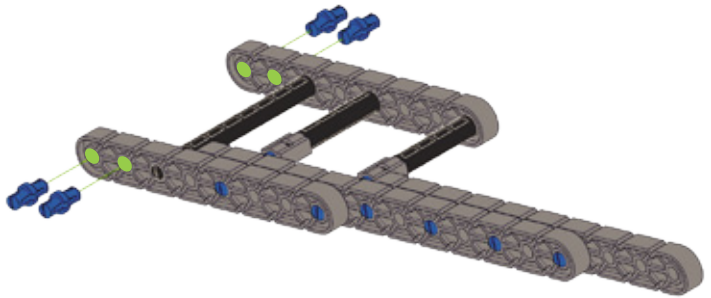


vexiq.com/clawbotiq/41



42

4x
228-2500-060



vexiq.com/clawbotiq/42



43

2x



228-2500-151

1x



228-2500-170

2x



228-2500-067

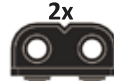


vexiq.com/clawbotiq/43



44

2x



228-2500-128



vexiq.com/clawbotiq/44



45

2x



228-2500-070



vexiq.com/clawbotiq/45



46

2x



228-2500-130



vexiq.com/clawbotiq/46



47

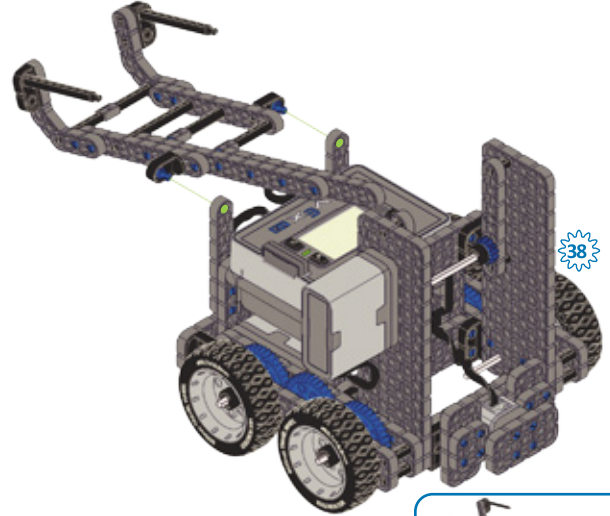
2x
228-2500-060



vexiq.com/clawbotiq/47



48



vexiq.com/clawbotiq/48

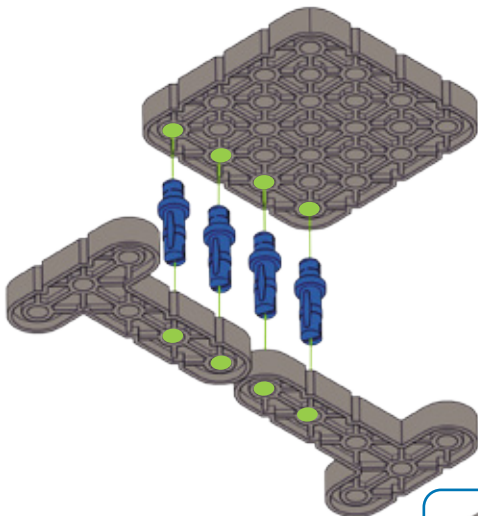


49

4x
228-2500-061

1x
228-2500-040

2x
228-2500-144



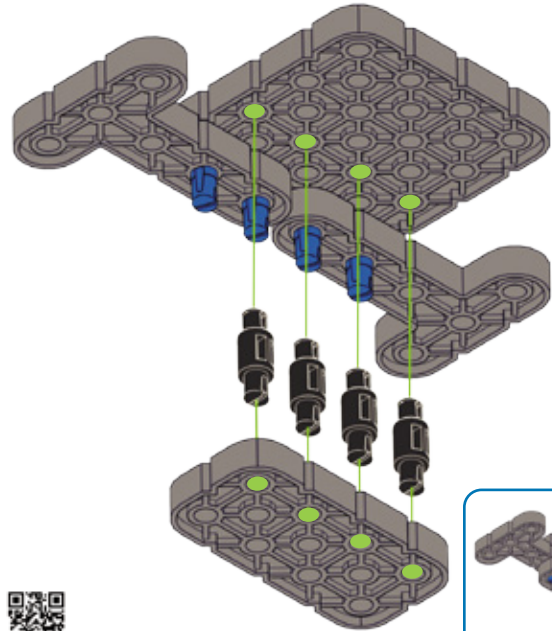
vexiq.com/clawbotiq/49



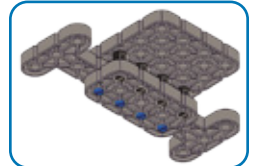
50

4x
228-2500-064

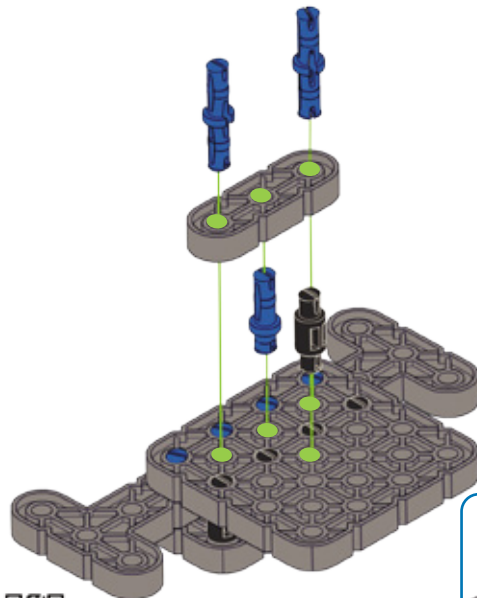
1x
228-2500-019



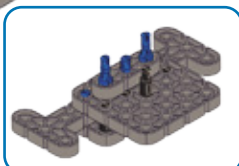
vexiq.com/clawbotiq/50



51

1x
228-2500-0612x
228-2500-0621x
228-2500-0641x
228-2500-002

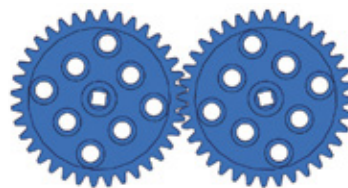
vexiq.com/clawbotiq/51



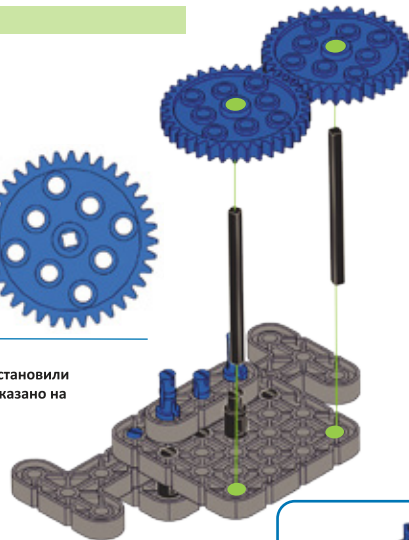
52

2x
228-2500-2142x
228-2500-076 4xP

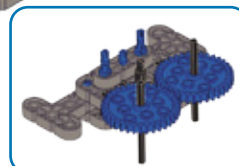
1:1



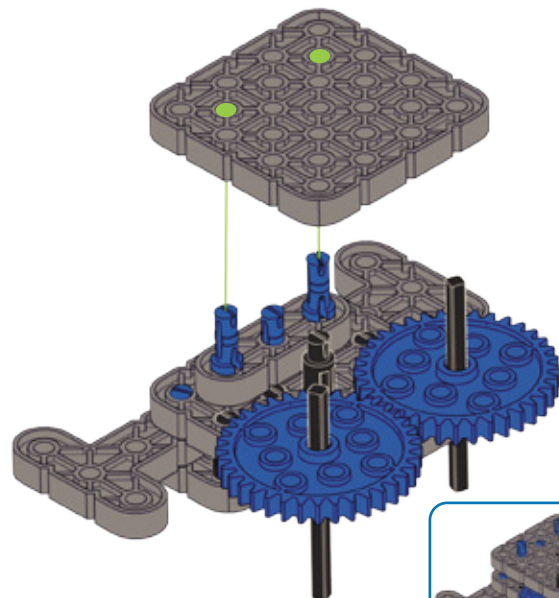
Убедитесь, что установили шестерни как показано на рисунке.



vexiq.com/clawbotiq/52



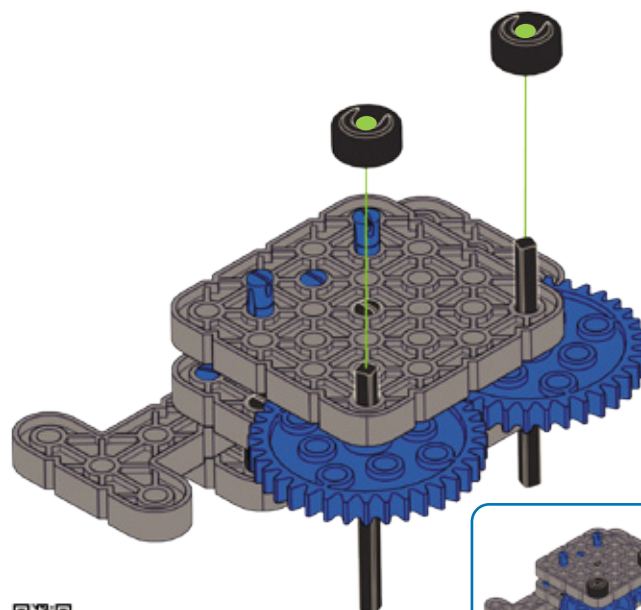
53

1x
228-2500-040

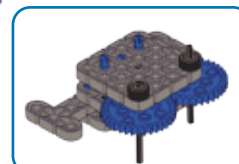
vexiq.com/clawbotiq/53



54

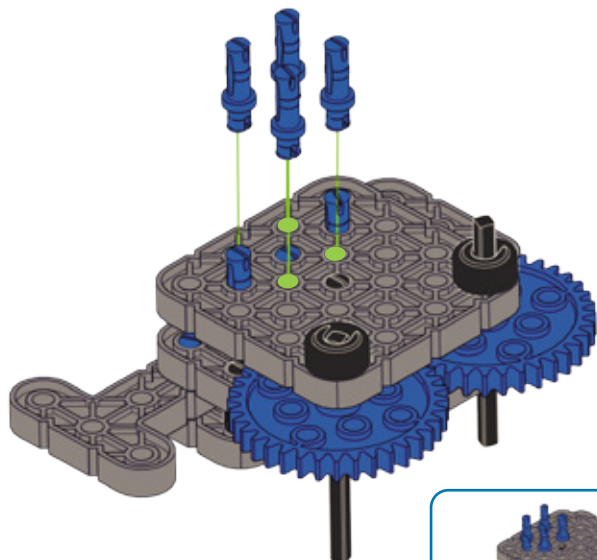
2x
228-2500-143

vexiq.com/clawbotiq/54



55

4x
228-2500-061

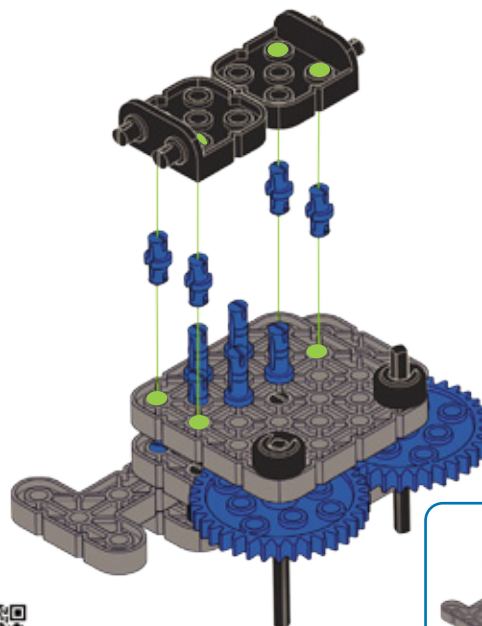


vexiq.com/clawbotiq/55

56

4x
228-2500-060

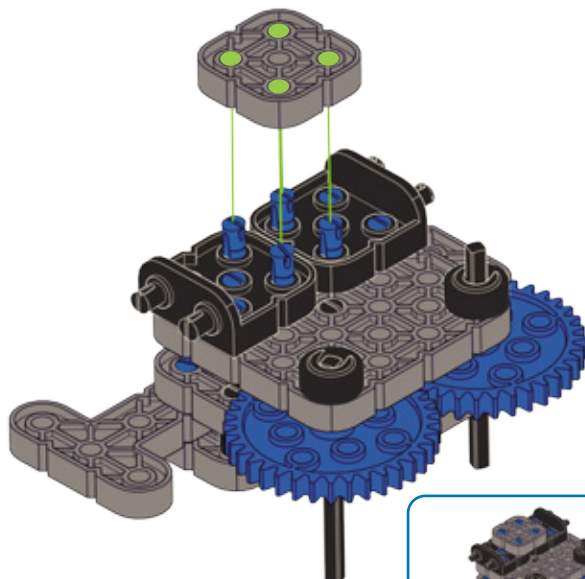
2x
228-2500-134



vexiq.com/clawbotiq/56

57

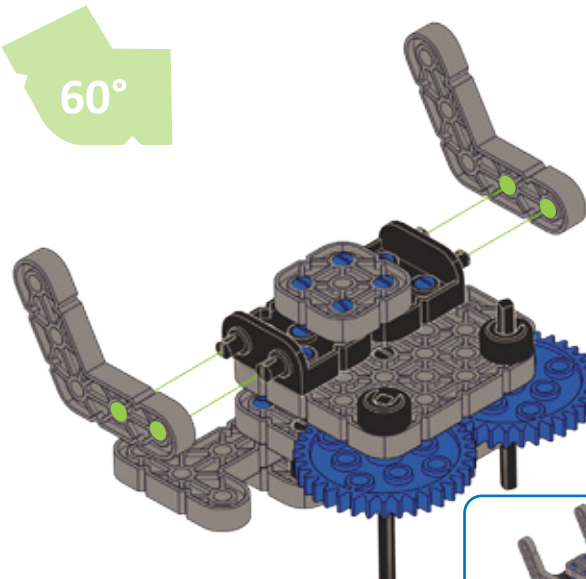
1x
228-2500-017



vexiq.com/clawbotiq/57

58

2x
228-2500-149 60°

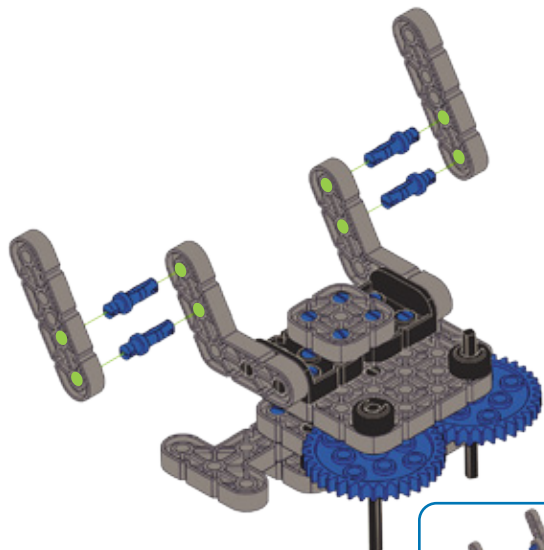


vexiq.com/clawbotiq/58

59

4x
228-2500-061

2x
228-2500-003

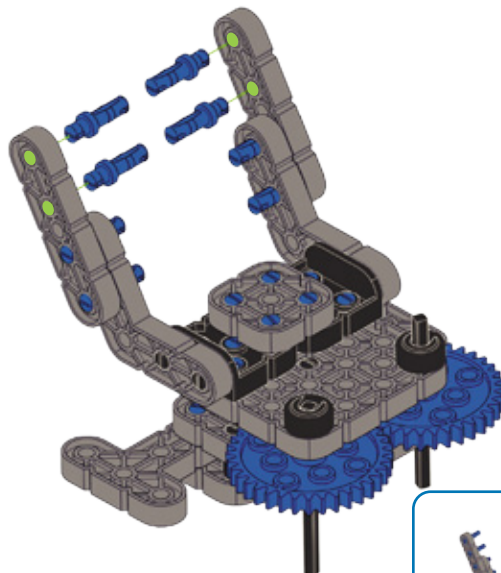


vexiq.com/clawbotiq/59



60

4x
228-2500-061

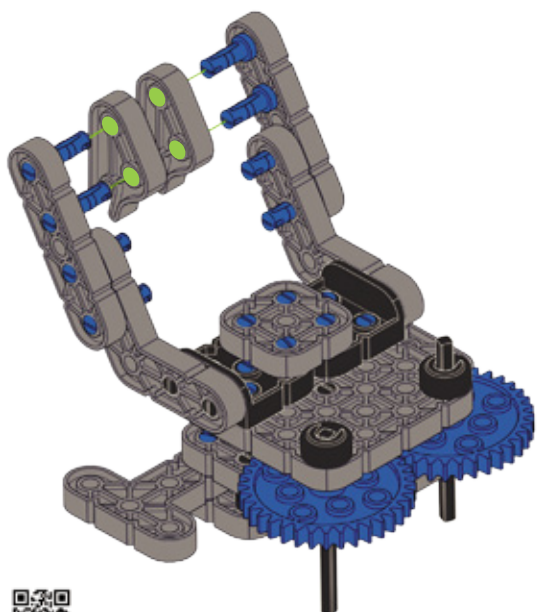


vexiq.com/clawbotiq/60



61

2x
228-2500-157

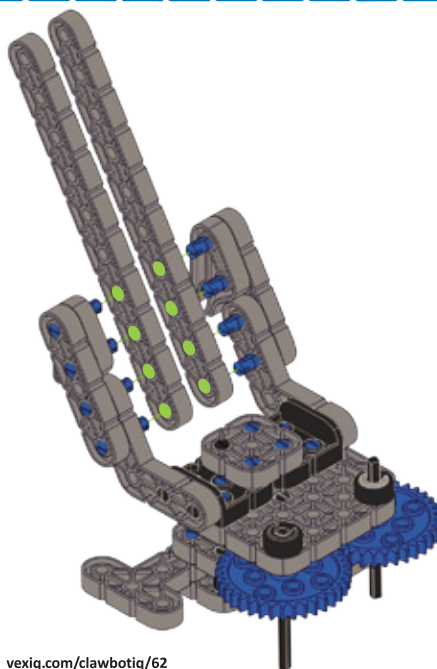


vexiq.com/clawbotiq/61



62

2x
228-2500-009



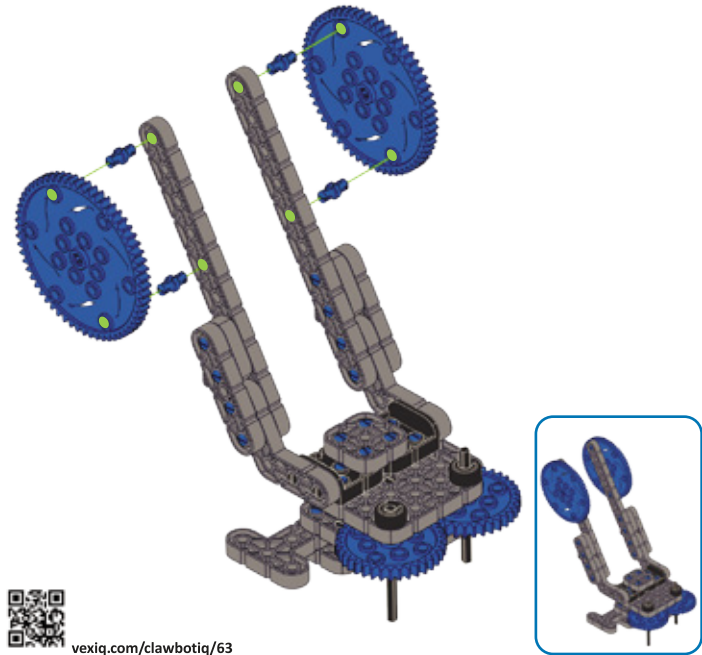
vexiq.com/clawbotiq/62



63

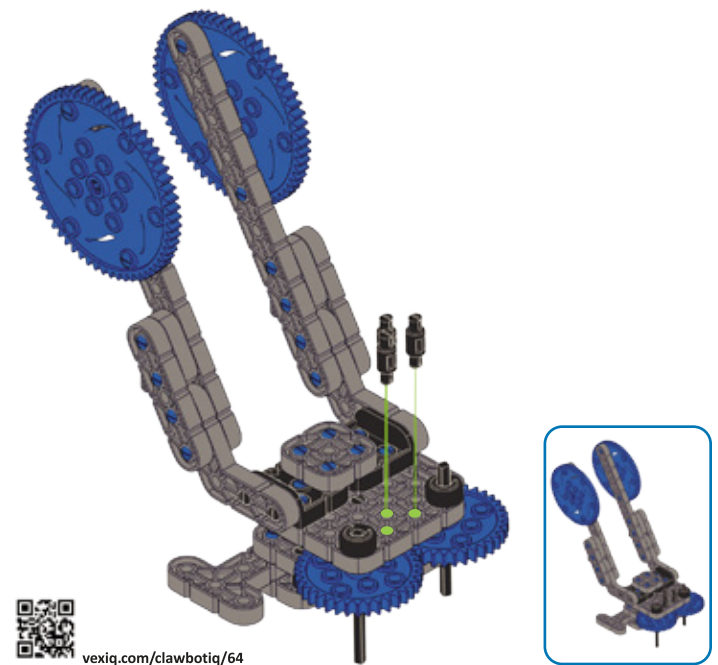
4x
228-2500-060

2x
228-2500-215



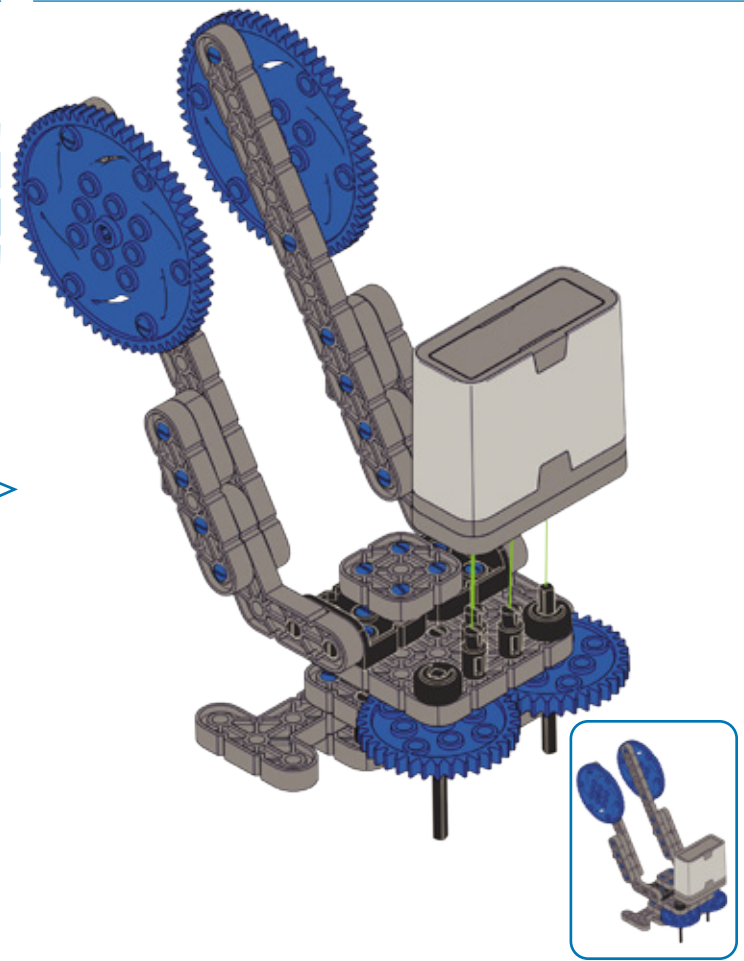
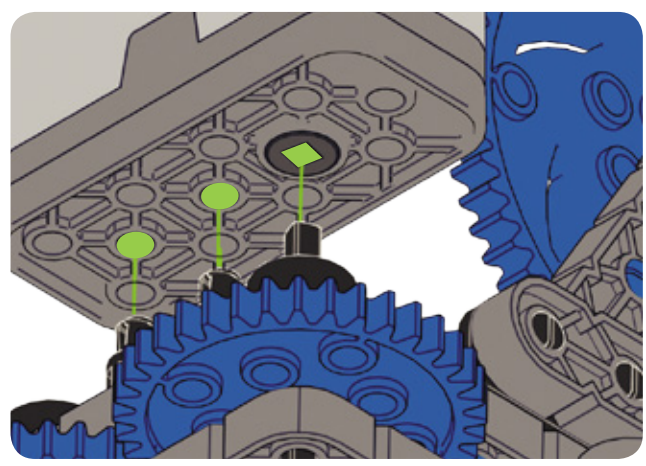
64

3x
228-2500-064

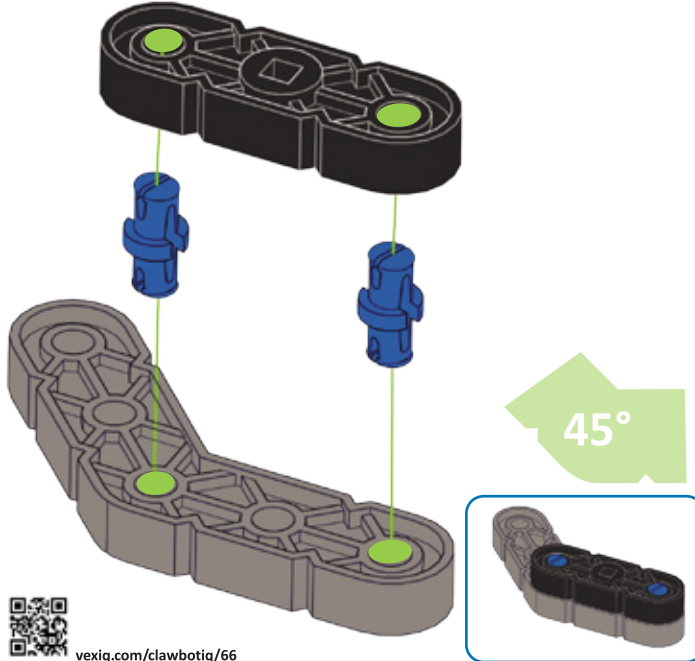
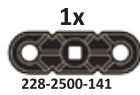
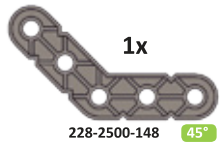


65

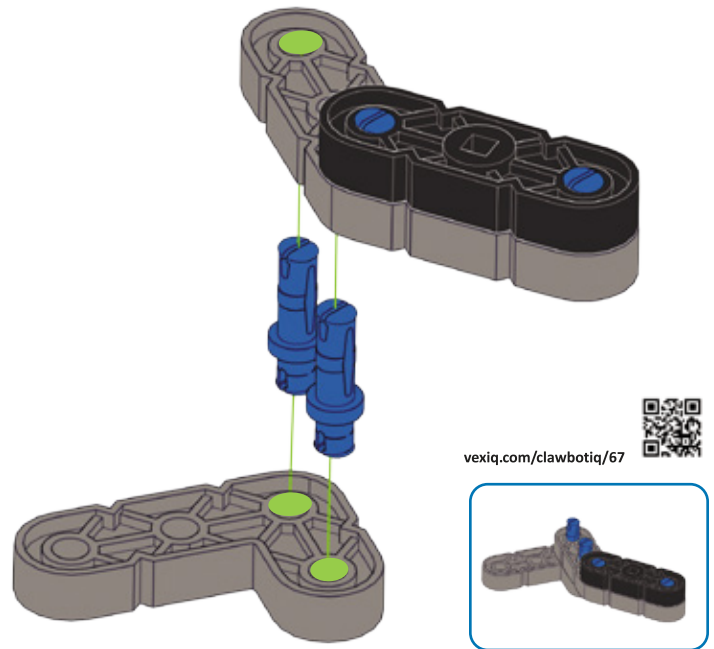
1x
228-2560



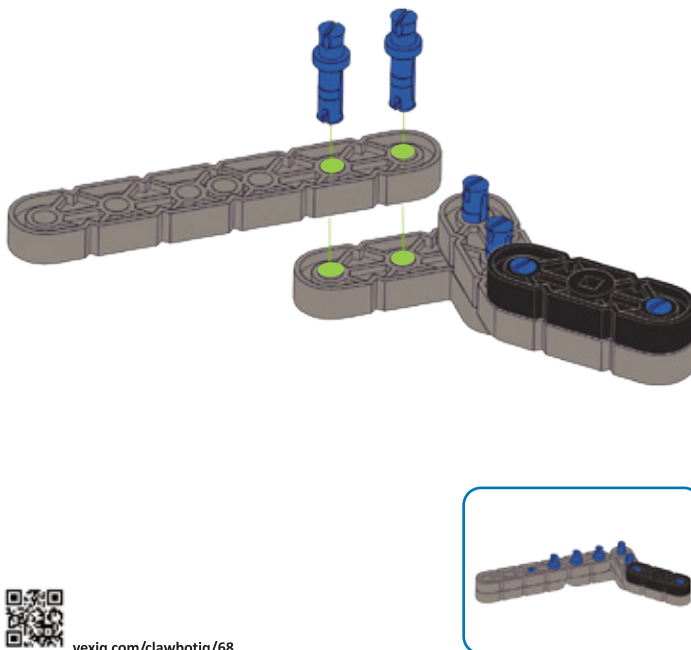
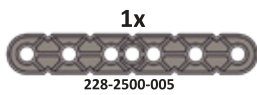
66



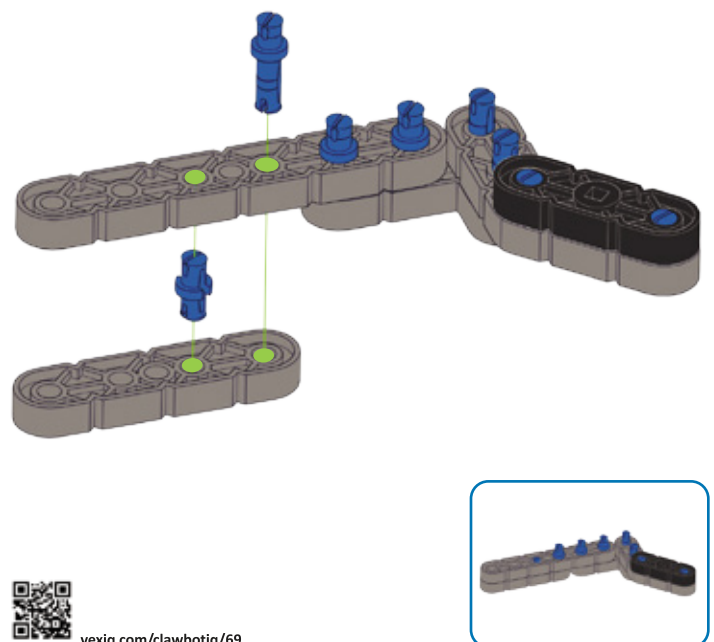
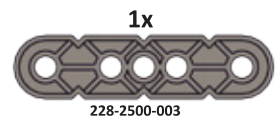
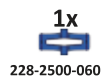
67



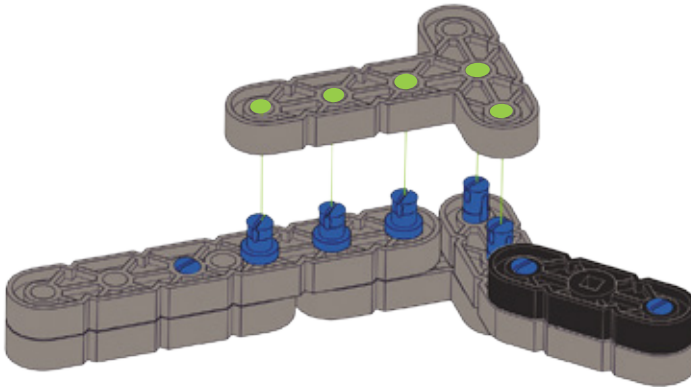
68



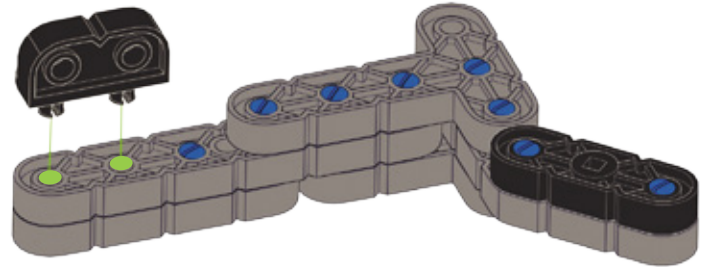
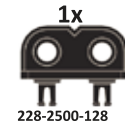
69



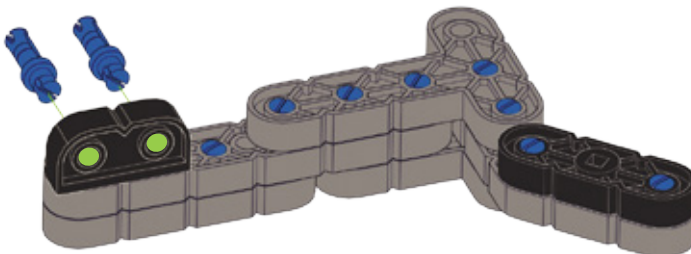
70


vexiq.com/clawbotiq/70

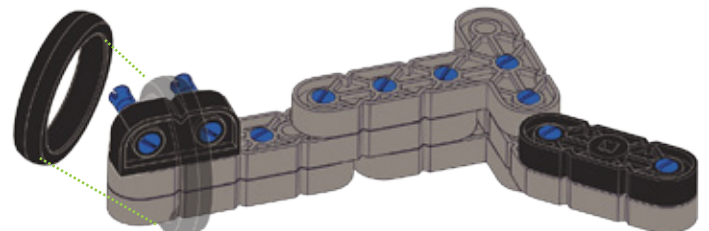

71


vexiq.com/clawbotiq/71


72

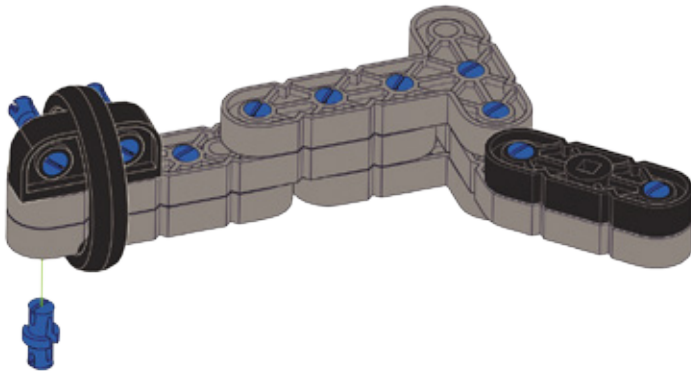

vexiq.com/clawbotiq/72


73


vexiq.com/clawbotiq/73


74

1x
228-2500-060

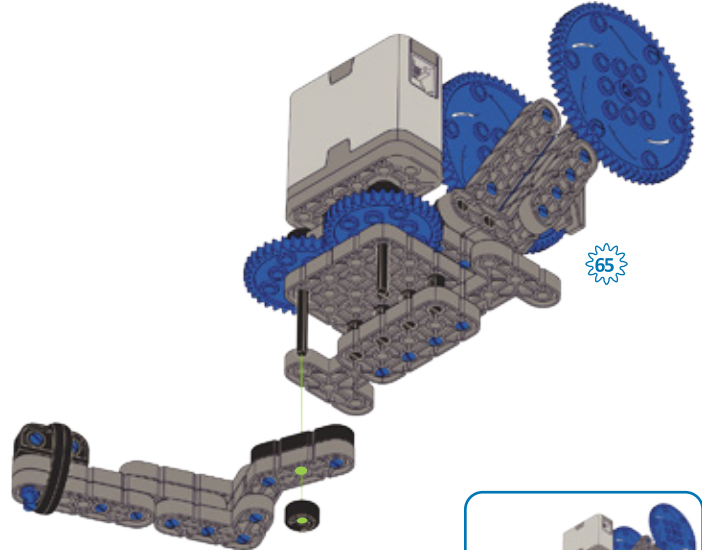


vexiq.com/clawbotiq/74



75

1x
228-2500-143



vexiq.com/clawbotiq/75



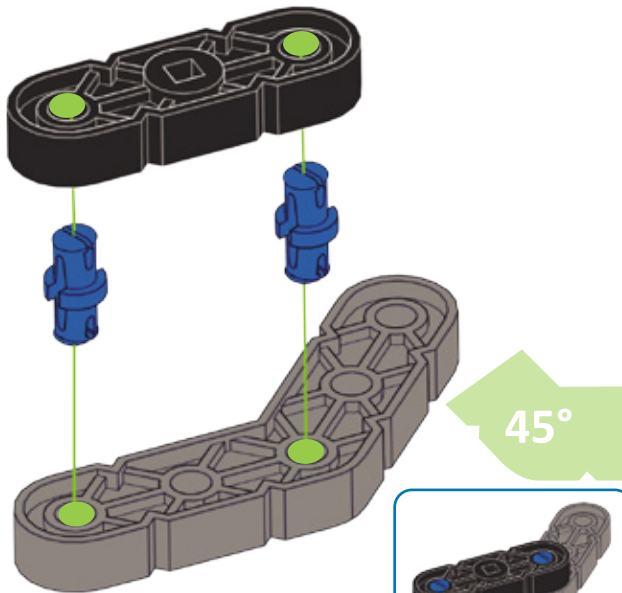
76

1x
228-2500-148

2x
228-2500-060

1x
228-2500-141

45°



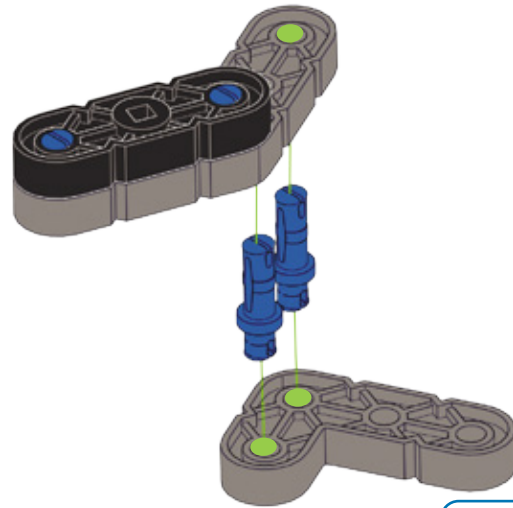
vexiq.com/clawbotiq/76



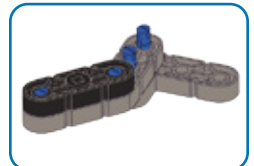
77

1x
228-2500-145

2x
228-2500-061



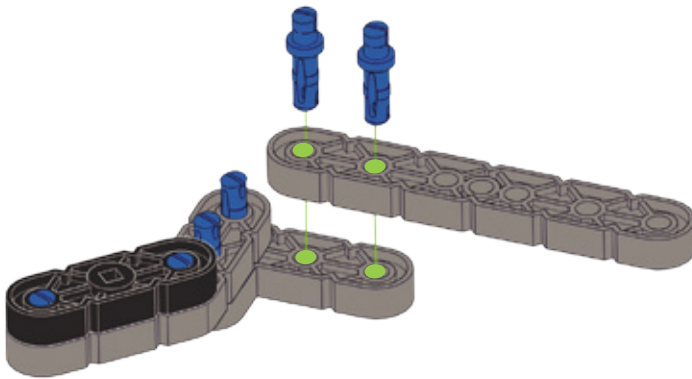
vexiq.com/clawbotiq/77



78

2x
228-2500-061

1x
228-2500-005



vexiq.com/clawbotiq/78

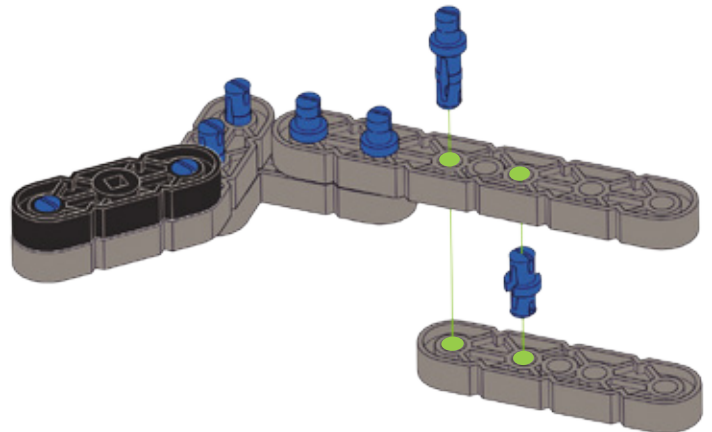


79

1x
228-2500-060

1x
228-2500-061

1x
228-2500-003

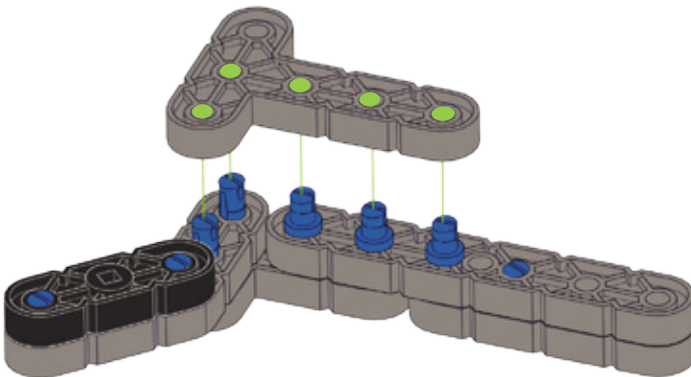


vexiq.com/clawbotiq/79



80

1x
228-2500-144

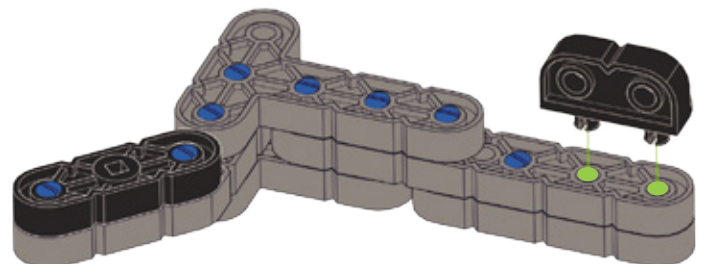


vexiq.com/clawbotiq/80



81

1x
228-2500-128

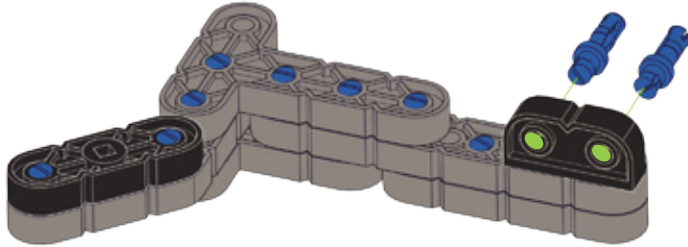


vexiq.com/clawbotiq/81



82

2x
228-2500-061

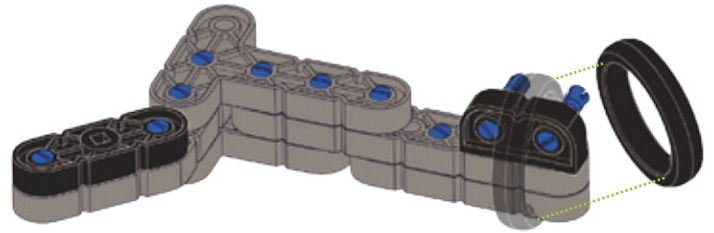


vexiq.com/clawbotiq/82



83

1x
228-2500-207

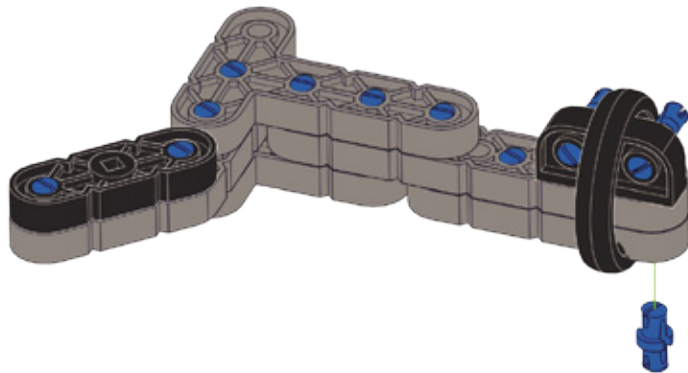


vexiq.com/clawbotiq/83



84

1x
228-2500-060

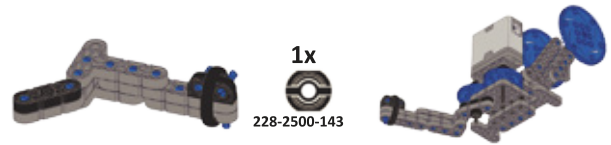


vexiq.com/clawbotiq/84



85

1x
228-2500-143



vexiq.com/clawbotiq/85



86

2x



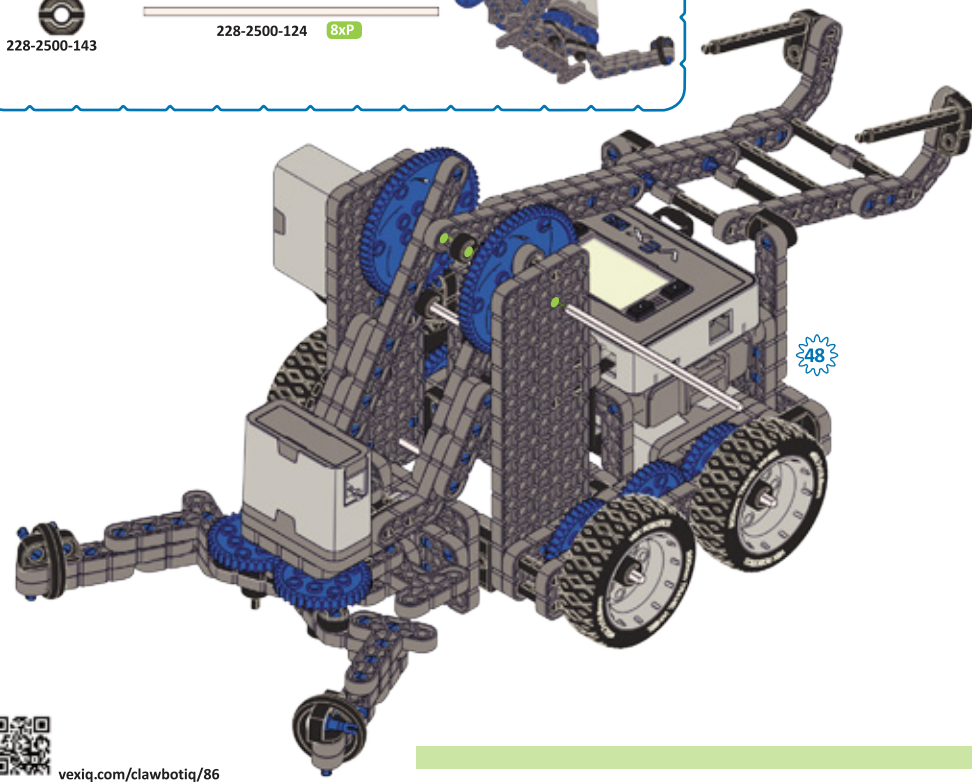
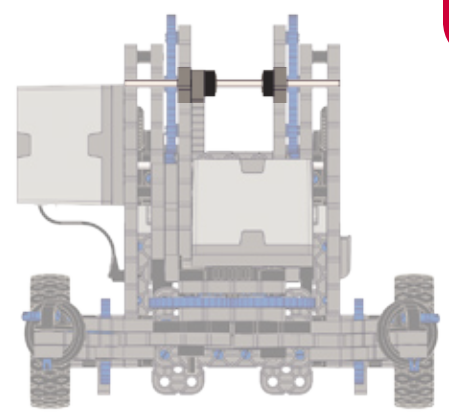
228-2500-143

1x



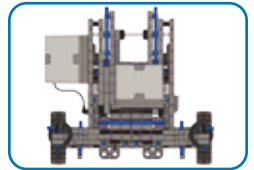
228-2500-124 8xP





vexiq.com/clawbotiq/86

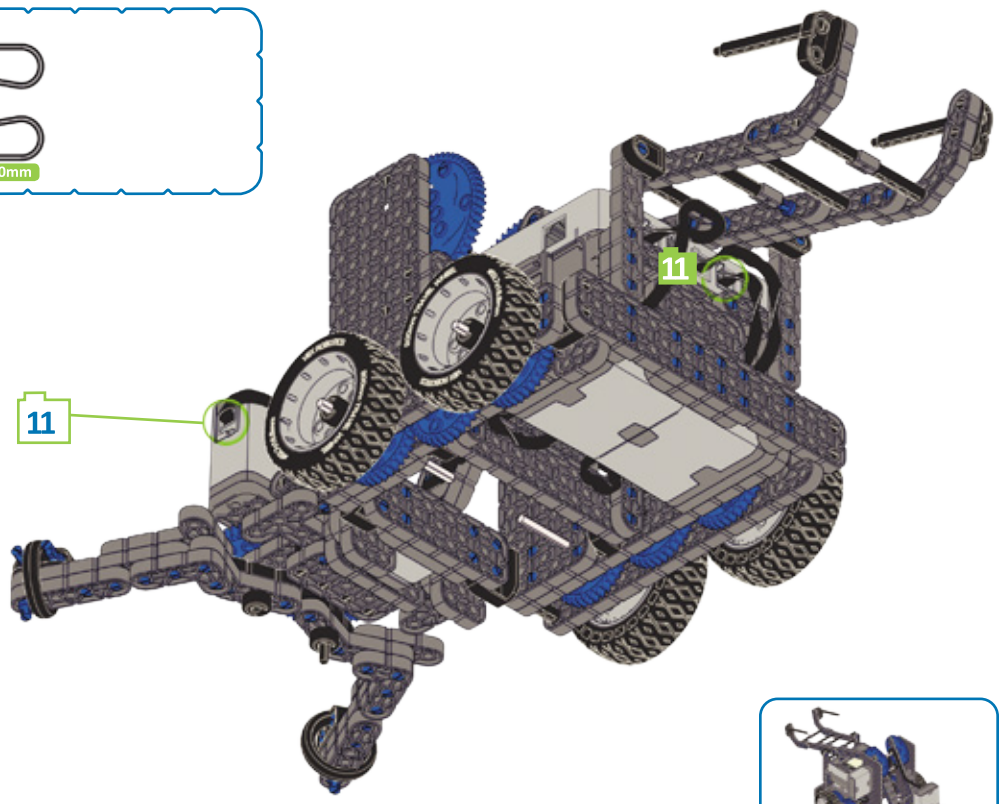
1:1



87



228-2780-004 600mm



vexiq.com/clawbotiq/87



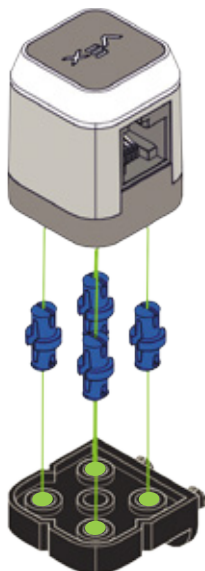
3. Clawbot IQ с сенсорами

88

4x
228-2500-060

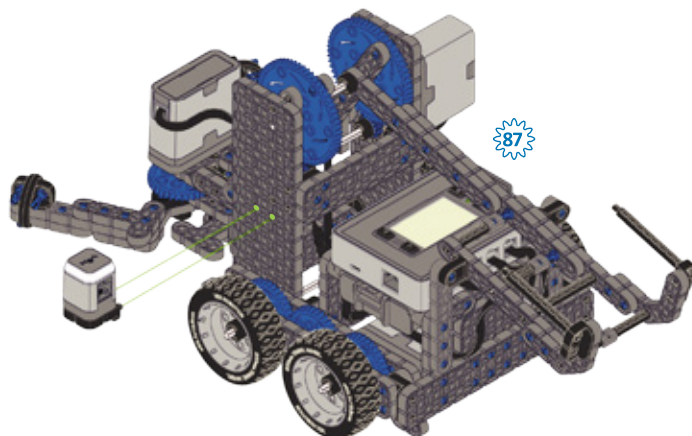
1x
228-2500-134

1x
228-3010



vexiq.com/clawbotiq/88

89



87

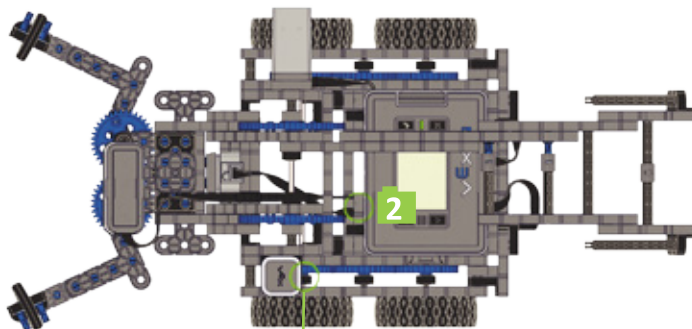


vexiq.com/clawbotiq/89



90

228-2780-001 200mm



vexiq.com/clawbotiq/90

2

91

4x
228-2500-060

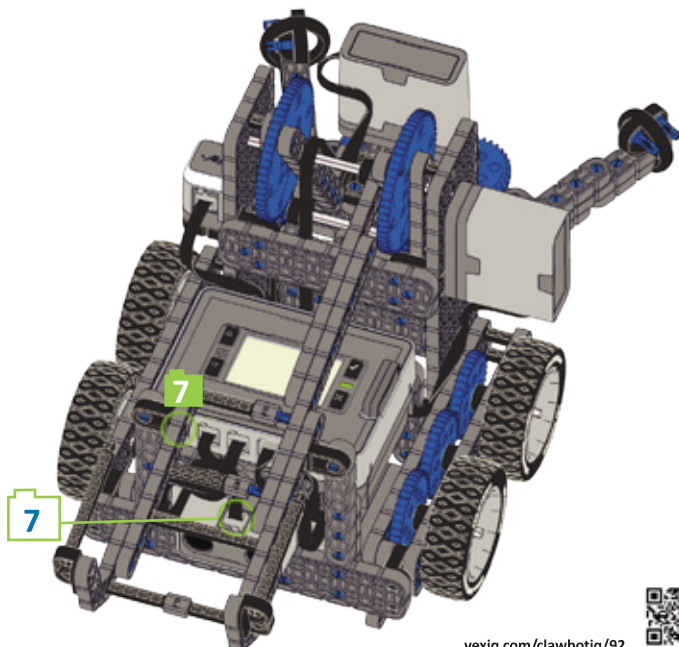
1x
228-3011



vexiq.com/clawbotiq/91



92



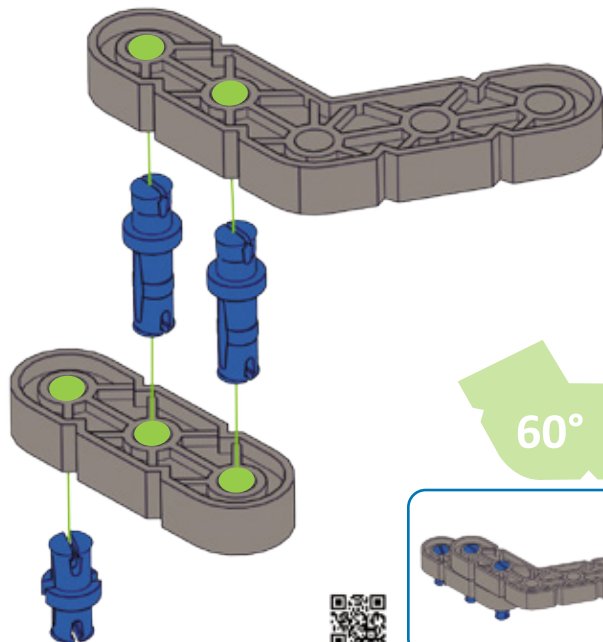
93

1x
228-2500-060

2x
228-2500-061

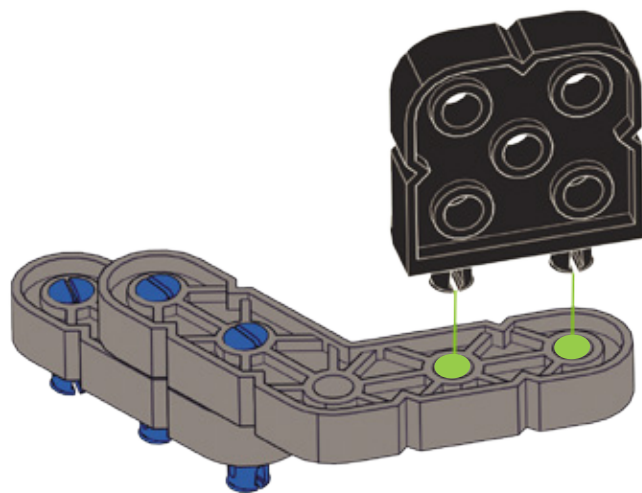
1x
228-2500-002

1x
228-2500-149 60°



94

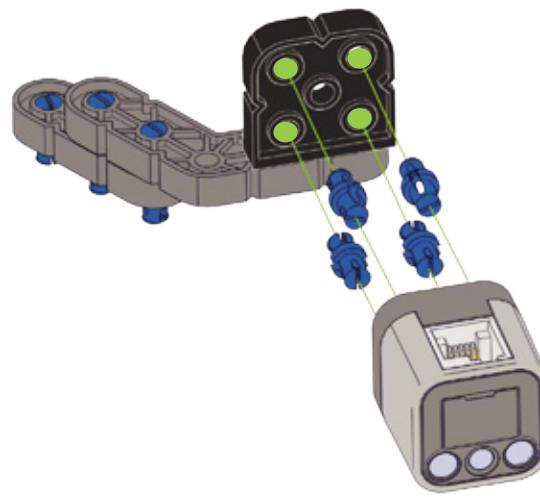
1x



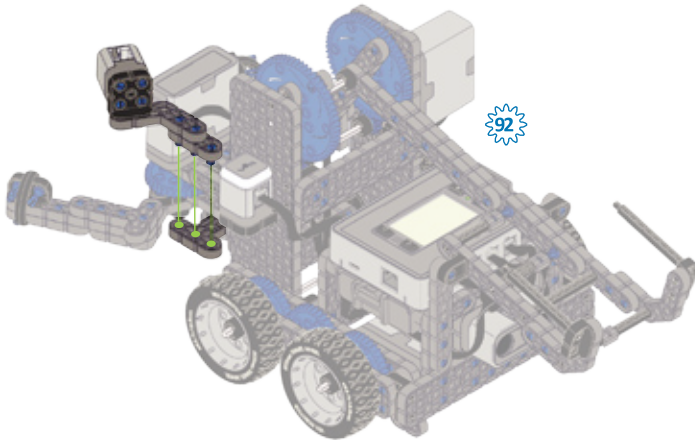
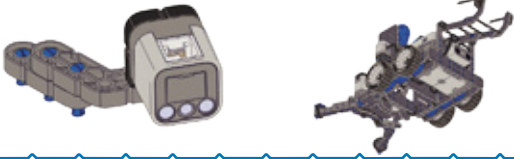
95

4x
228-2500-060

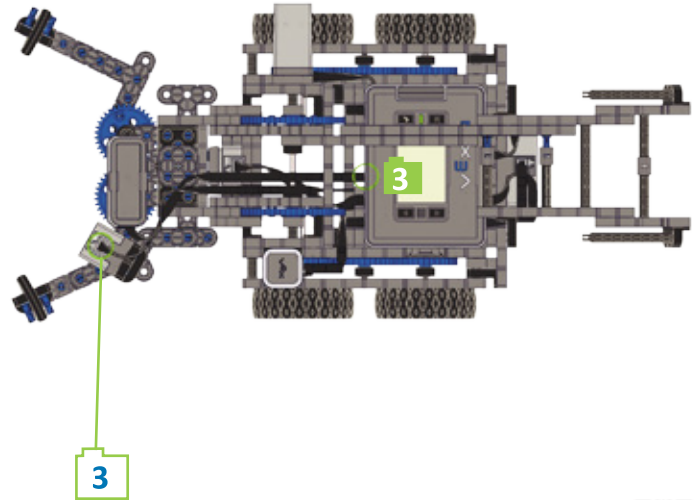
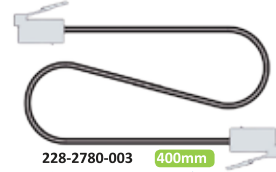
1x



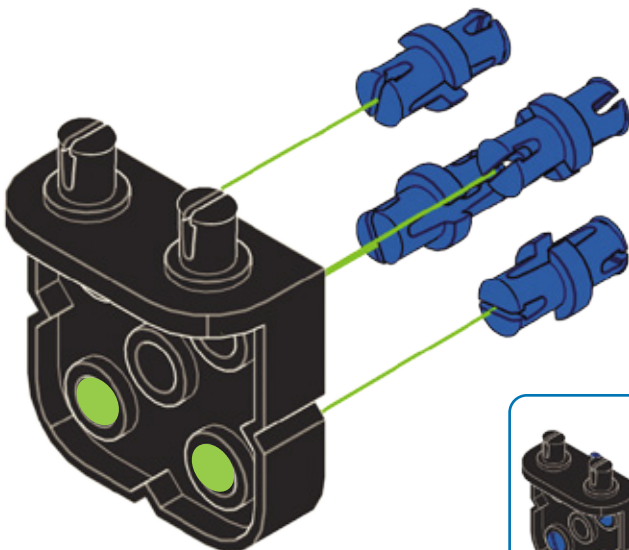
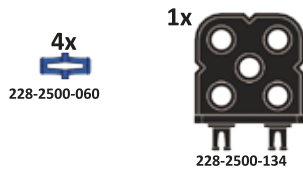
96


vexiq.com/clawbotiq/96

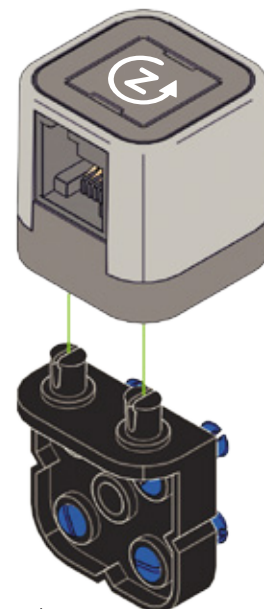
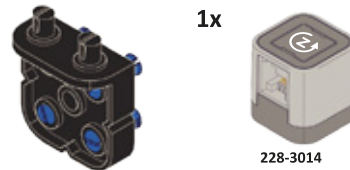
97


vexiq.com/clawbotiq/97

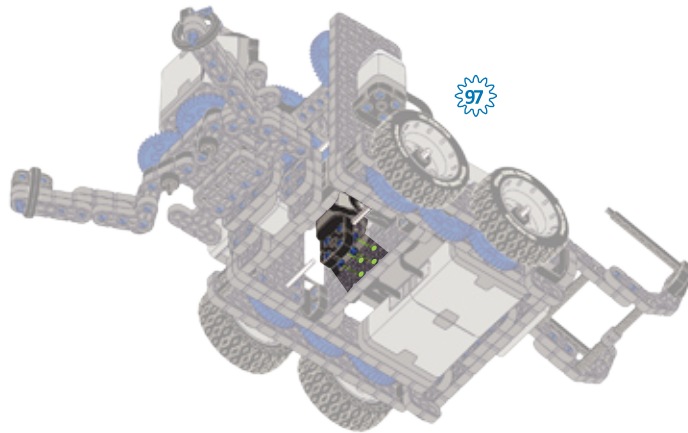
98


vexiq.com/clawbotiq/98

99

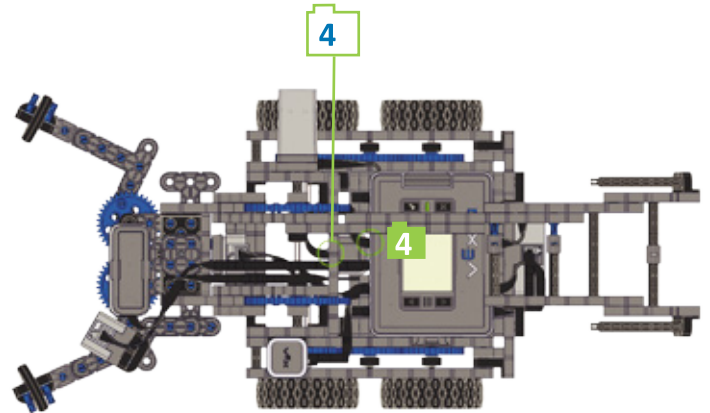

vexiq.com/clawbotiq/99

100

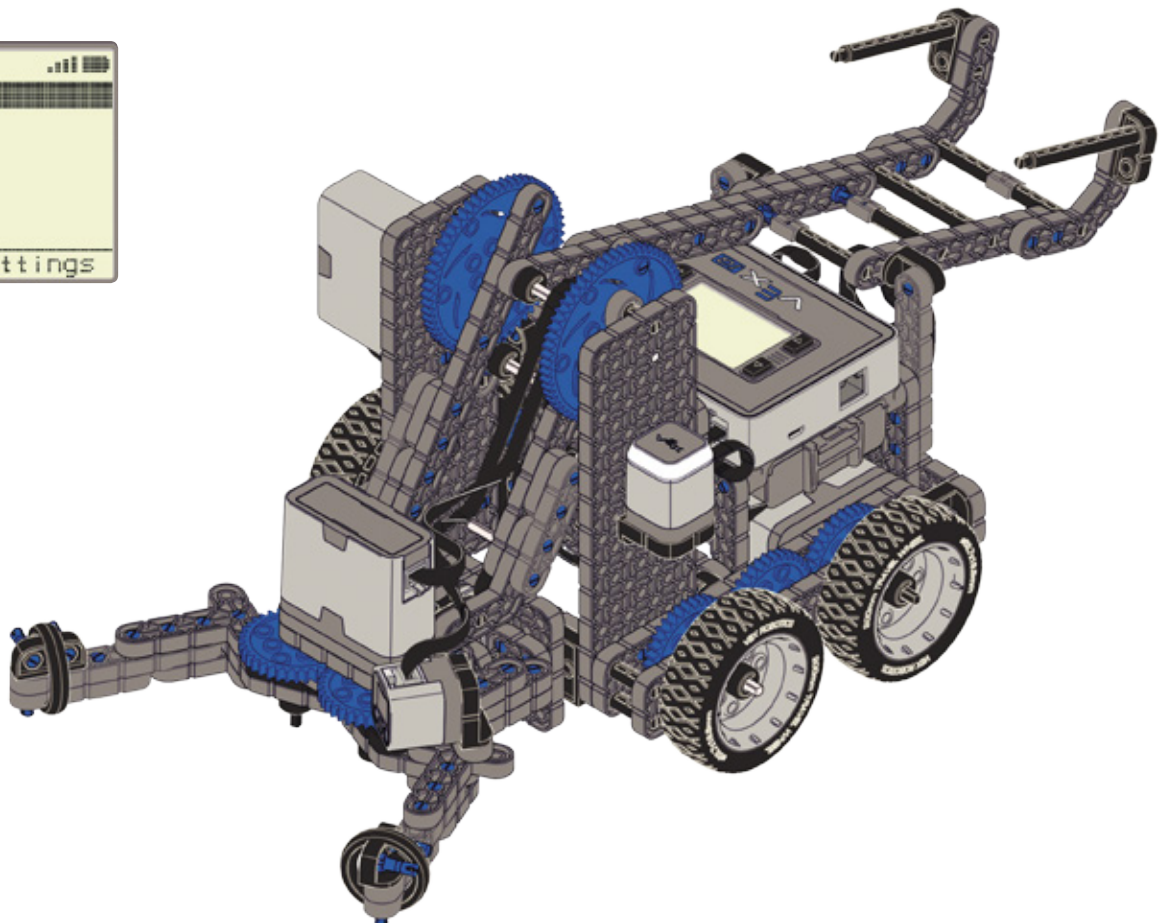
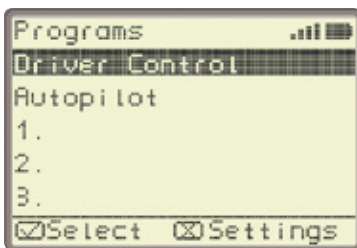


vexiq.com/clawbotiq/100

101



vexiq.com/clawbotiq/101

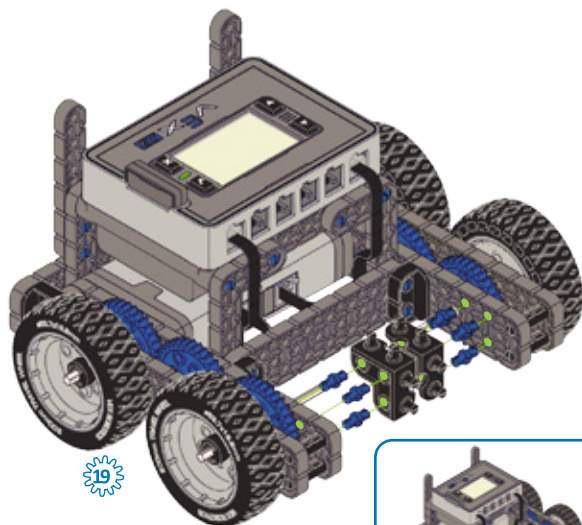


4. Автопилот

102

6x
228-2500-060

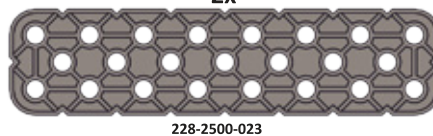
2x
228-2500-126



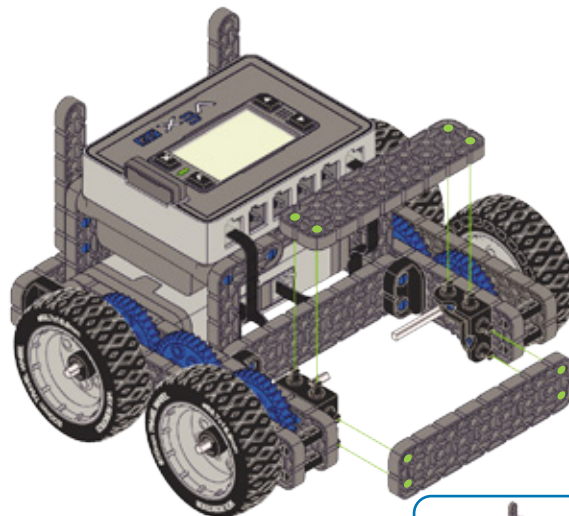
vexiq.com/clawbotiq/102

103

2x



228-2500-023



vexiq.com/clawbotiq/103

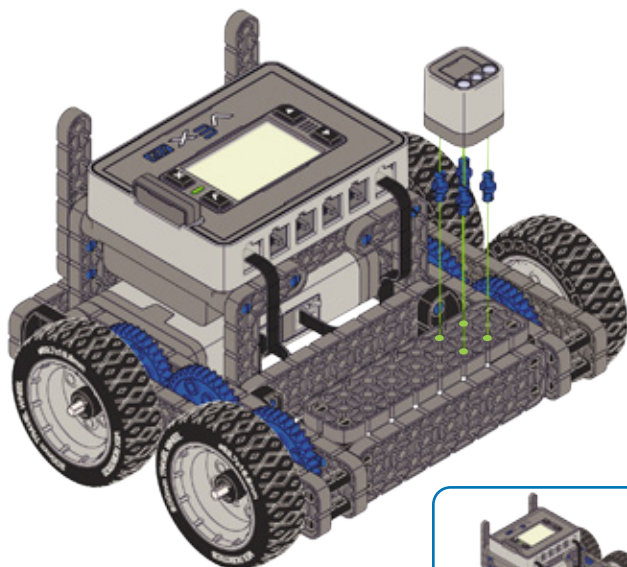
104

4x
228-2500-060

1x



228-3012

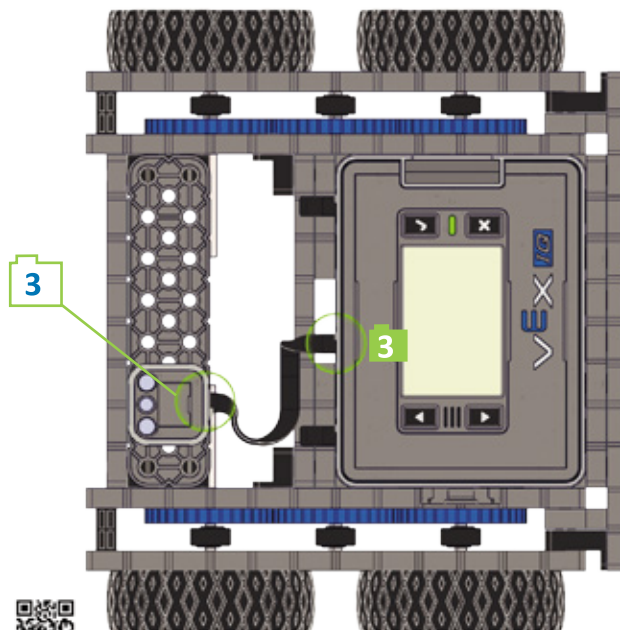


vexiq.com/clawbotiq/104

105



228-2780-002 300mm



vexiq.com/clawbotiq/105

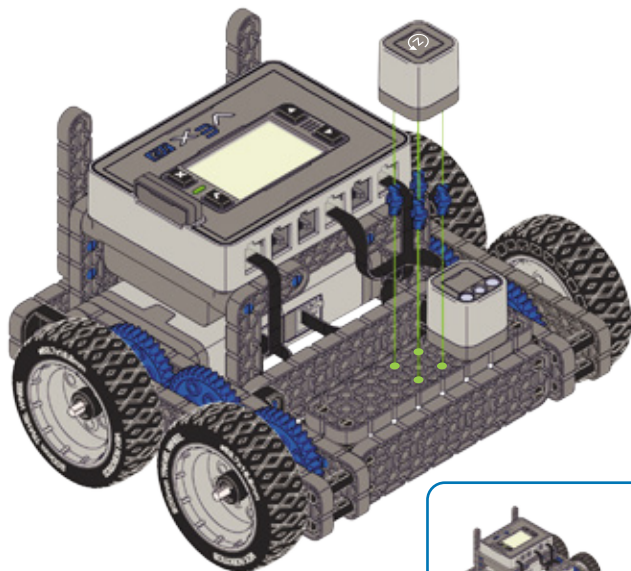
106

4x
228-2500-060

1x



228-3014

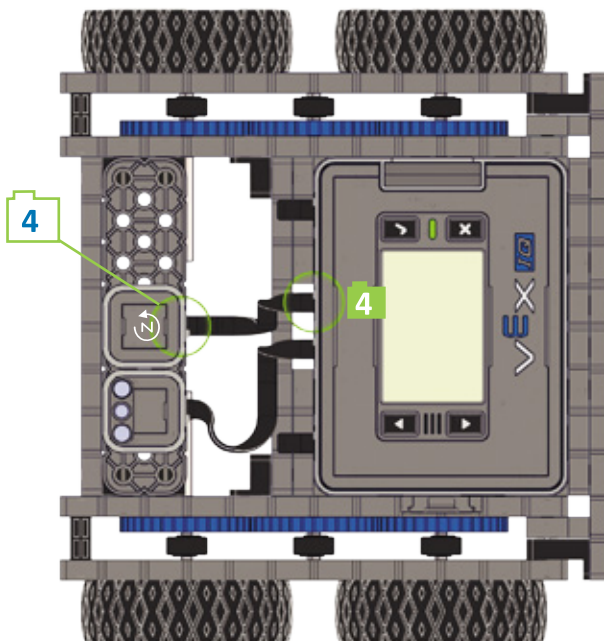


vexiq.com/clawbotiq/106

107



228-2780-002 300mm



vexiq.com/clawbotiq/107

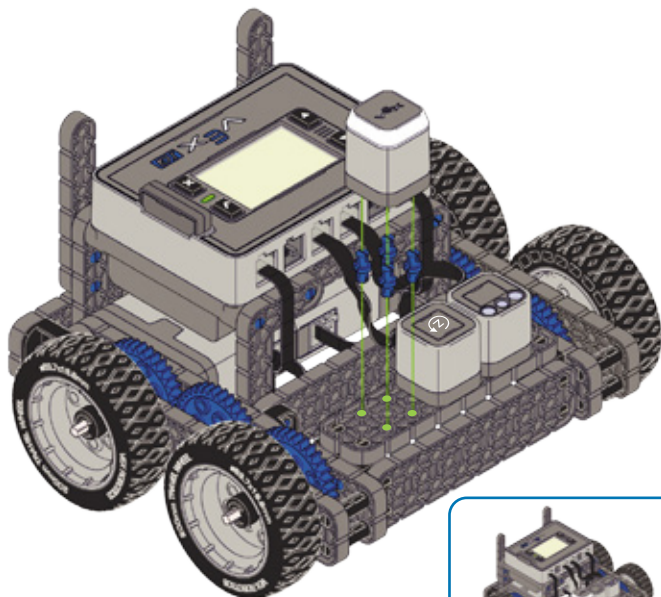
108

4x
228-2500-060

1x



228-3010

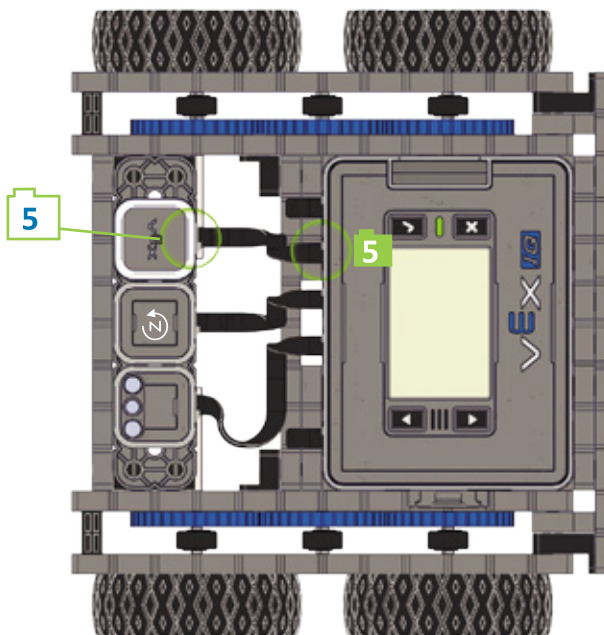


vexiq.com/clawbotiq/108

109



228-2780-002 300mm

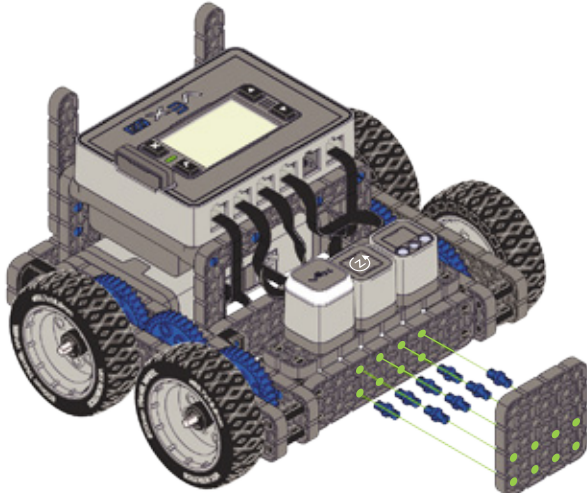


vexiq.com/clawbotiq/109

110

8x
228-2500-060

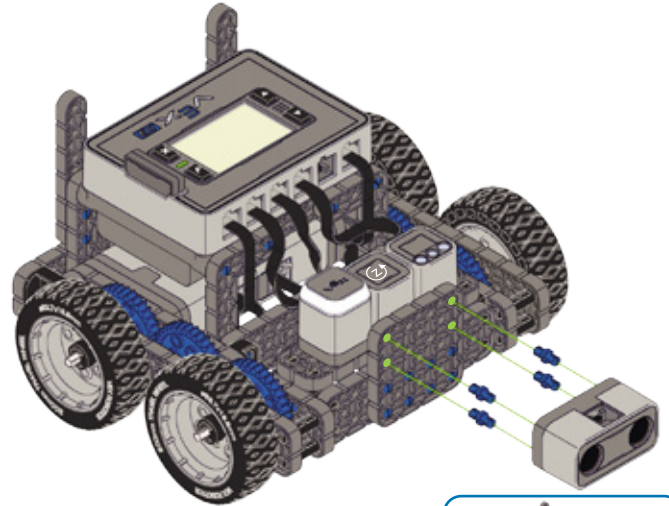
1x


vexiq.com/clawbotiq/110

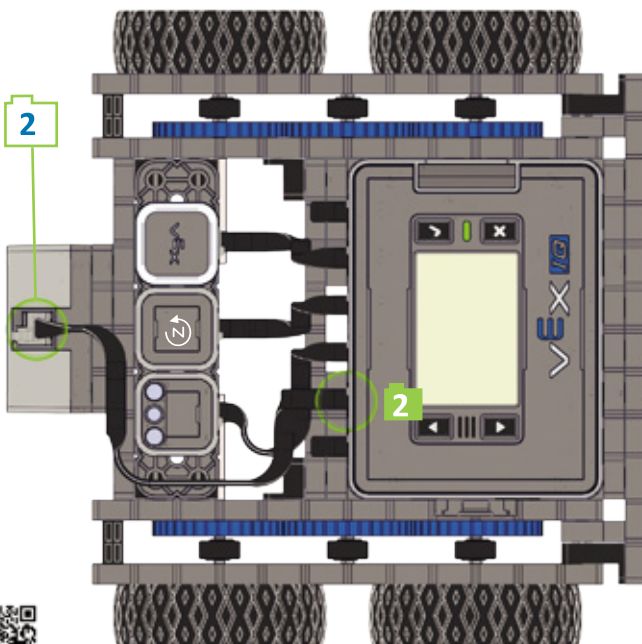

111

4x
228-2500-060

1x


vexiq.com/clawbotiq/111

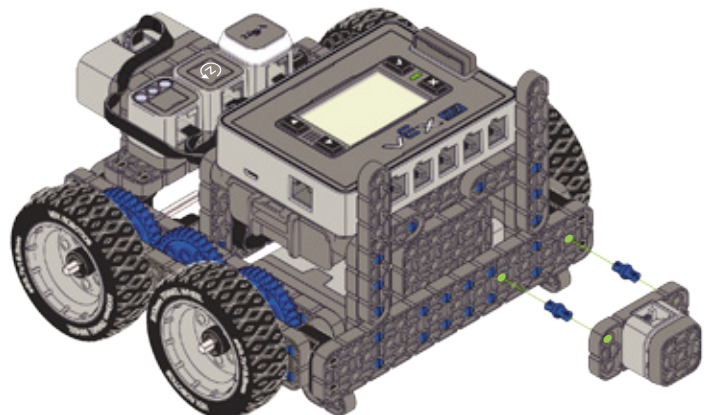
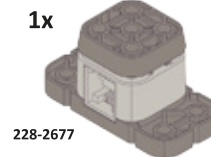

112


vexiq.com/clawbotiq/112

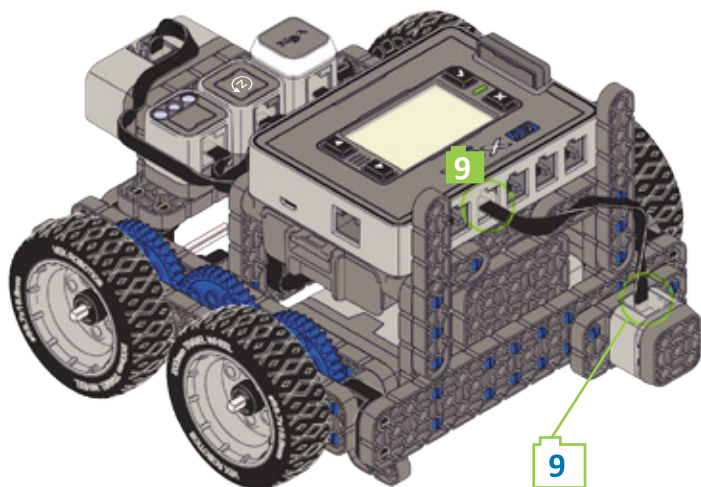
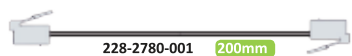
113

2x
228-2500-060

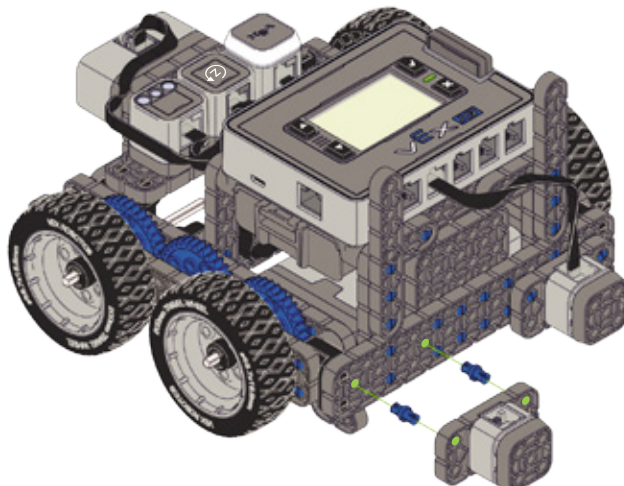
1x


vexiq.com/clawbotiq/113

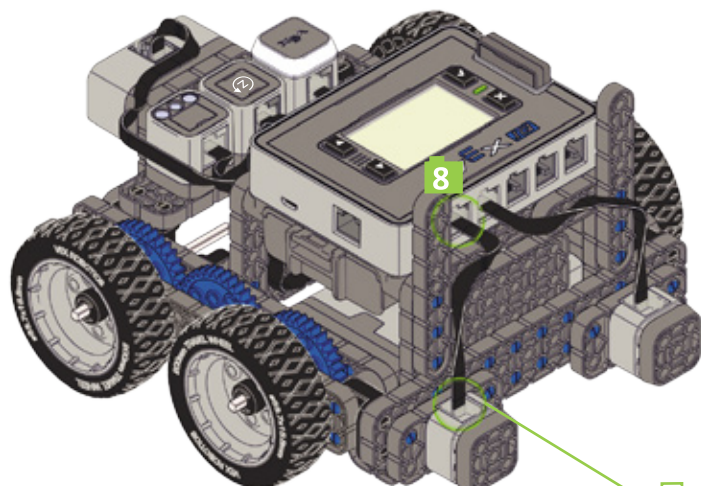
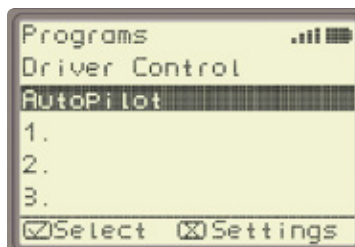
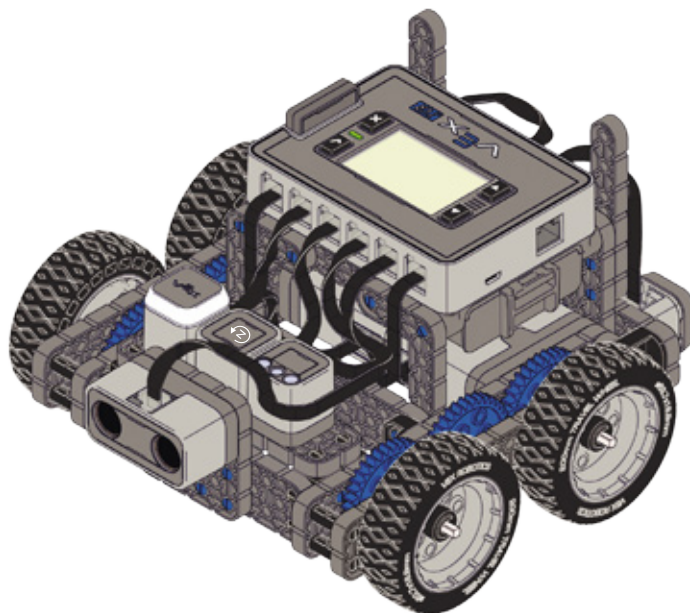

114


vexiq.com/clawbotiq/114

115


vexiq.com/clawbotiq/115

116


vexiq.com/clawbotiq/116




Инструкция по сборке Clawbot IQ

