



# MULTI MODELS INFRA RED CONTROL



DUAL MOTORS



Instructions  
Notice de montage  
Bauanleitung  
Istruzioni di montaggio  
Instrucciones de montaje  
Instruções de montagem  
Monteringsanvisning  
Kokoamisohje  
Monterings instruktioner  
Montagehandleiding  
Οδηγίες συναρμολόγησης  
組立説明書

MOTOR  
6V

x2

#8541

8+

**MOTOR**  
6V

**x2**



p. 7



p. 13



p. 18



p. 28



p. 23



p. 35



p. 40



p. 46



p. 52



p. 58

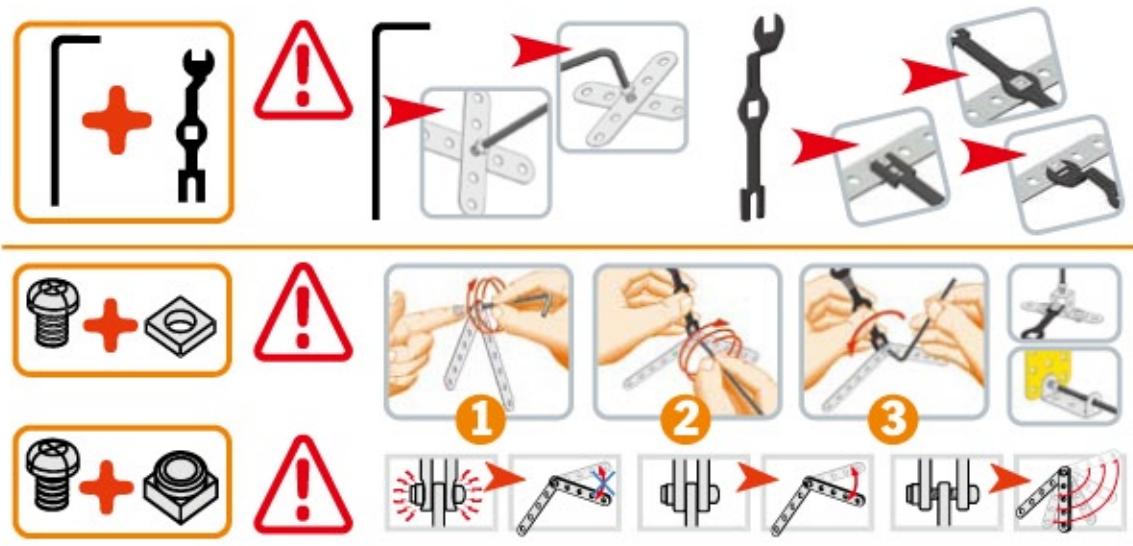


p. 64



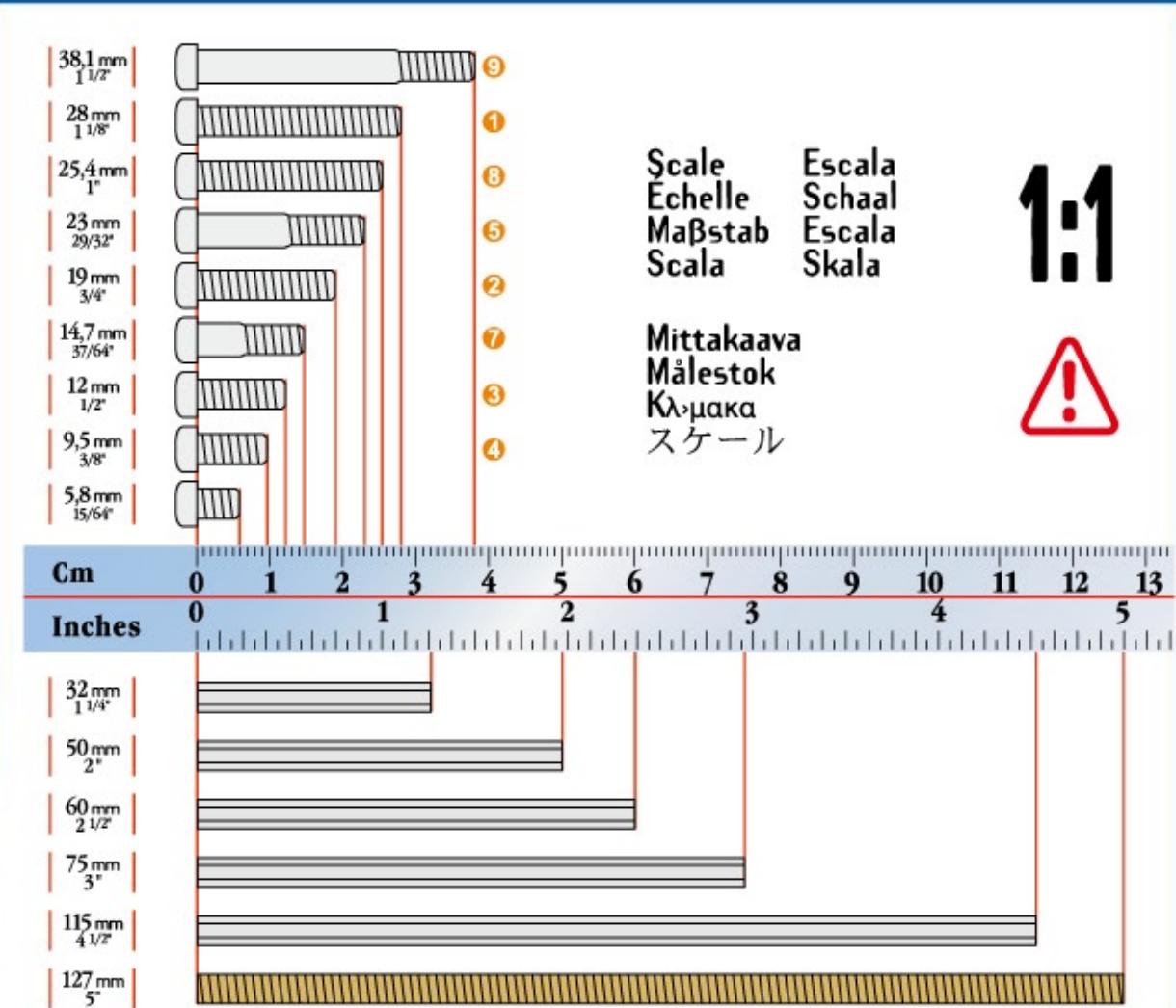
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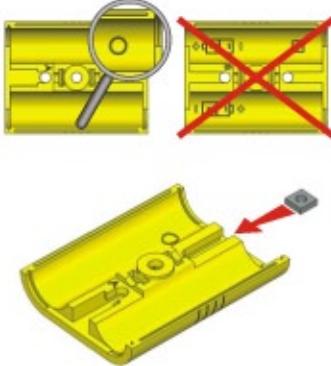
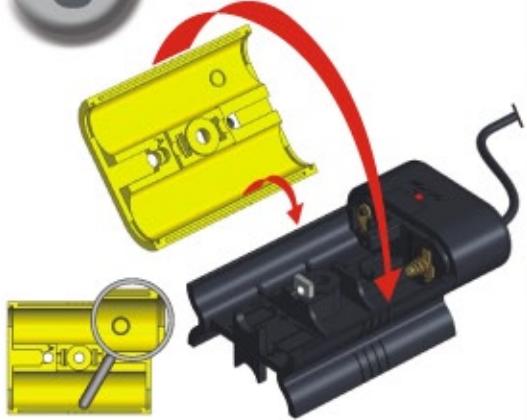
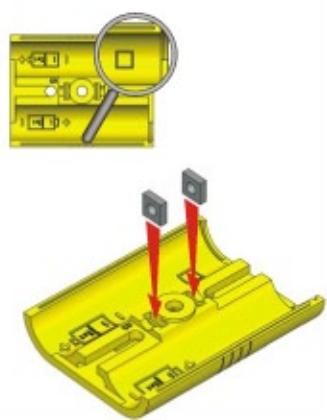
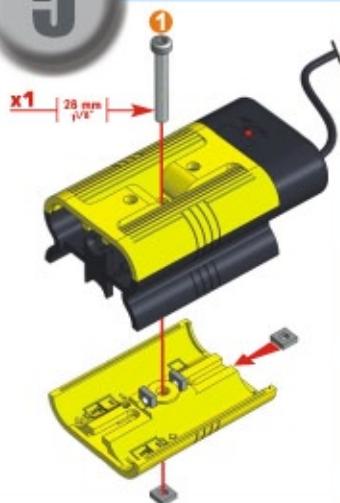
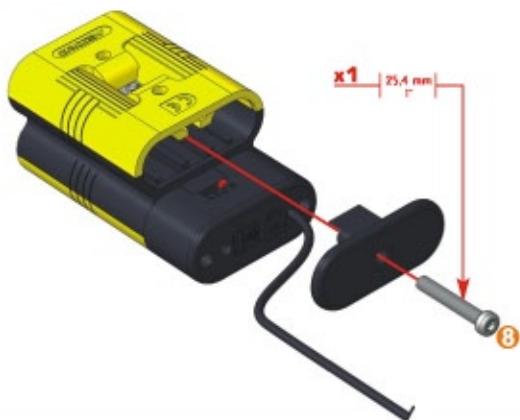
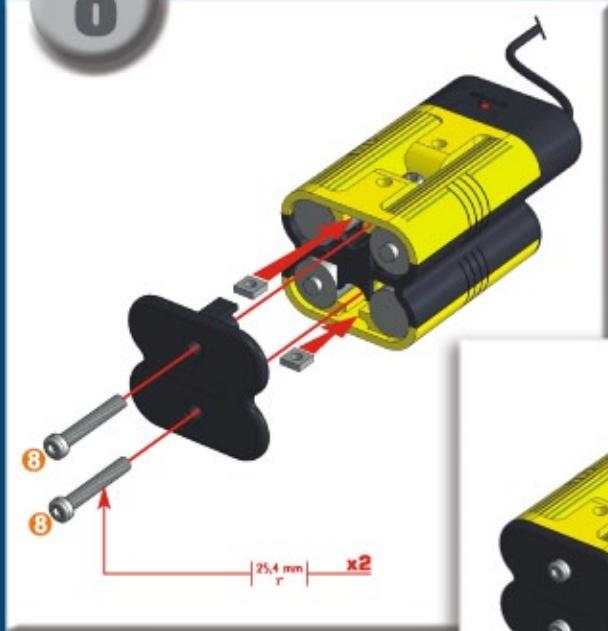




**FLEXIBLE**

GB : Bend the spring steel parts, they will return to their original position.  
 F : Déforme les pièces en acier ressort, elles retrouvent leur position initiale.  
 D : Verbiege die Teile aus Federstahl, sie nehmen wieder ihre ursprüngliche Stellung ein.  
 I : Deformati i pezzi in acciaio elastico ritrovano la loro posizione iniziale.  
 E : Deforma las piezas de acero muelle, que recuperan su posición inicial.  
 JPN : 鋼鉄スプリングの部品を曲げてみてください。元の形に戻ります。



**1****2****3****4****5****6****7****8**

- 1.) Plug the motor/receptor cable on the modules.
- 1.) Branchez le câble du moteur/du récepteur sur les modules.
- 1.) Das Kabel des Motors/ Empfangsgeräts an die Module anschließen.
- 1.) Conecte el cable del motor/del receptor en los módulos.
- 1.) Collegare il cavo del motore/del ricevitore ai moduli.
- 1.) モーター / 受信機のケーブルをモジュールに接続します。



- 2.) Select the receiver ID by switching A/B/C/D. (max. can control up to 4 motors).
- 2.) Sélectionnez l'ID du récepteur en commutant sur A/B/C/D. (au max. peut contrôler jusqu'à 4 moteurs).
- 2.) Selektieren Sie die ID des Empfangsgeräts mit Schalten auf A/B/C/D (kann bis zu maximal 4 Motoren steuern).
- 2.) Seleccionne el ID del receptor comutando en A/B/C/D. (como máx. puede controlar hasta 4 motores).
- 2.) Selezionare l'ID del ricevitore commutando su A/B/C/D (può controllare al massimo 4 motori).
- 2.) スイッチをA、B、CまたはDの位置に動かして受信機IDを選択します（モーターは最大4つまでコントロールできます）。



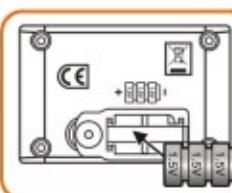
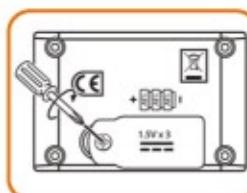
- 3.) Press the button to select the motor you want to control, it will light up.
- 3.) Pressez sur le bouton pour sélectionner le moteur que vous voulez contrôler, il s'allume.
- 3.) Drücken Sie den Knopf, um den Motor zu selektieren, den Sie steuern möchten, er leuchtet auf.

- 4.) Press the control button either  $\Delta$  or  $\nabla$  and control different motors. (Only one motor can be controlled at a time).
- 4.) Pressez le bouton de contrôle soit  $\Delta$  soit  $\nabla$  et vous contrôlez différents moteurs. (Il n'est possible de contrôler qu'un seul moteur à la fois).
- 4.) Drücken Sie den Kontrollknopf entweder  $\Delta$  oder  $\nabla$  und Sie steuern verschiedene Motoren. (Doch kann man nicht mehr als einen Motor gleichzeitig steuern).
- 4.) Presione el botón en control, ya sea  $\Delta$  o  $\nabla$  y así podrá controlar distintos motores. (Sólo es posible controlar un motor a la vez).
- 4.) Premere il pulsante di comando, sia  $\Delta$  sia  $\nabla$ , per scegliere quale motore controllare (si può controllare solo un motore alla volta).
- 4.) コントロールボタンをそれぞれ押して $\Delta$ 、 $\nabla$ 異なるモーターをコントロールしてください。（一度にコントロールできるモーターは1つだけです）。



The motor ID (A) is activated.  
L'ID du moteur (A) est activée.  
Die ID des Motors (A) ist aktiviert.  
El ID del motor (A) está activado.  
L'ID del motore (A) è attivo.  
モーターID (A)がアクティブになりました。

The motor ID (B) is activated.  
L'ID du moteur (B) est activée.  
Die ID des Motors (B) ist aktiviert.  
El ID del motor (B) está activado.  
L'ID del motore (B) è attivo.  
モーターID (B)がアクティブになりました。



Remote: Use 3x LR44/AG13 button cells. (Batteries included).

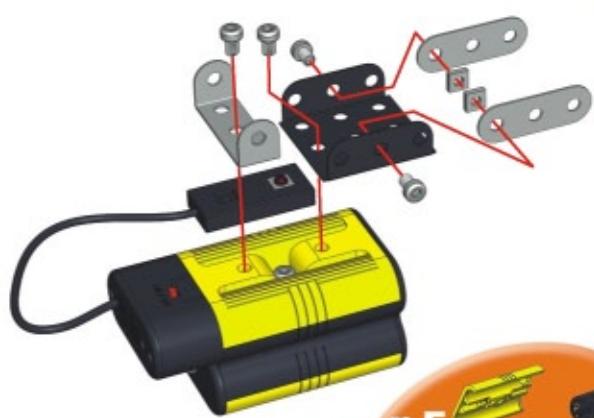
Télécommande: Utilisez 3 piles LR44/AG13. (Batteries incluses).

Fernsteuerung: Benutzen Sie 3 Batterien LR44/AG13. (Batterien inbegripen).

Mando a distancia: Utilice 3 pilas LR44/AG13. (Baterías incluidas).

Telecomando: usare 3 batterie LR44/AG13 (batterie incluse).

リモコン: LR44/AG13を3個お使いください  
(バッテリーは同梱されています)。



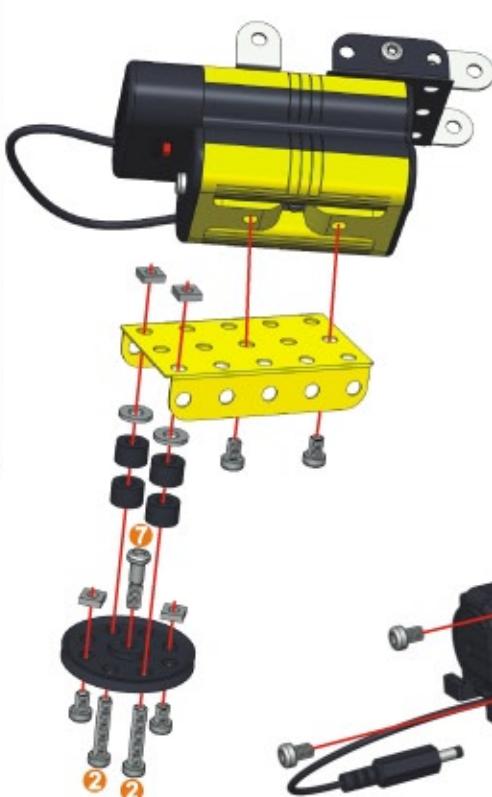
**1**

	x1
	x1
	x1
	x2
	x4
	x2



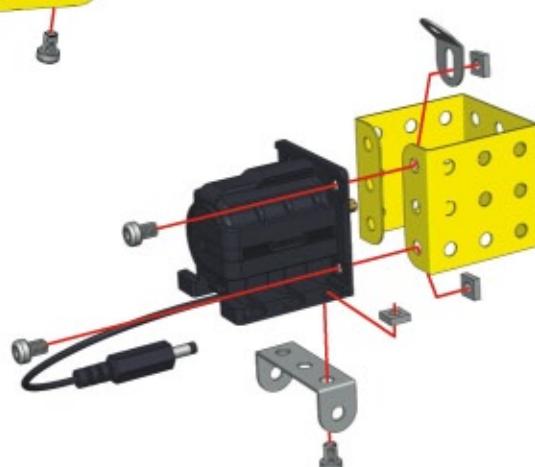
**2**

	x1
	x1
	x4
	x2
	x2
	x1
	x4
	x4



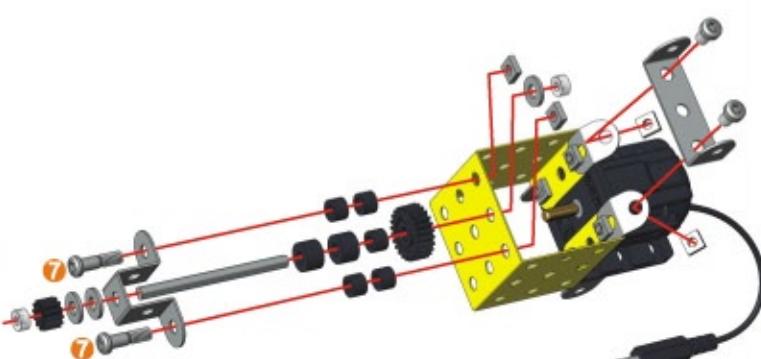
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	x1
	x1
	x1
	x3
	x3



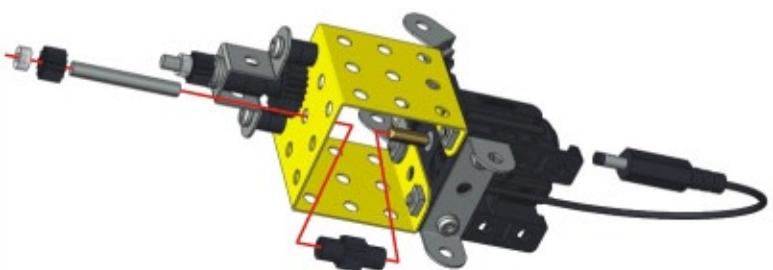
**4**

	x1
	x3
	x3



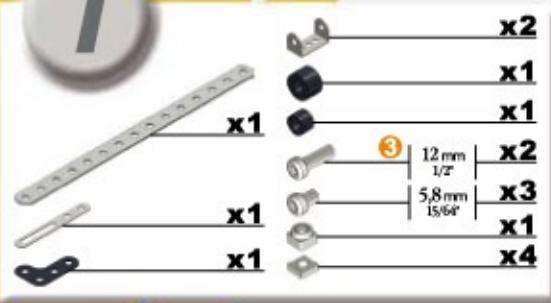
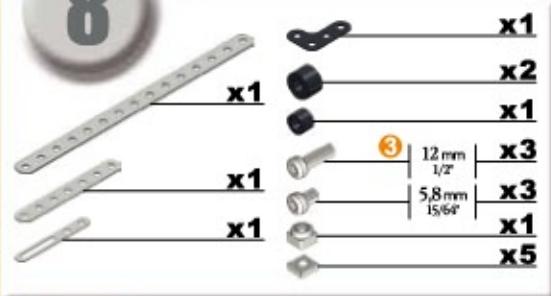
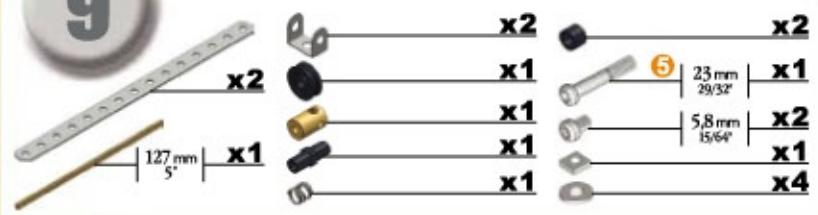
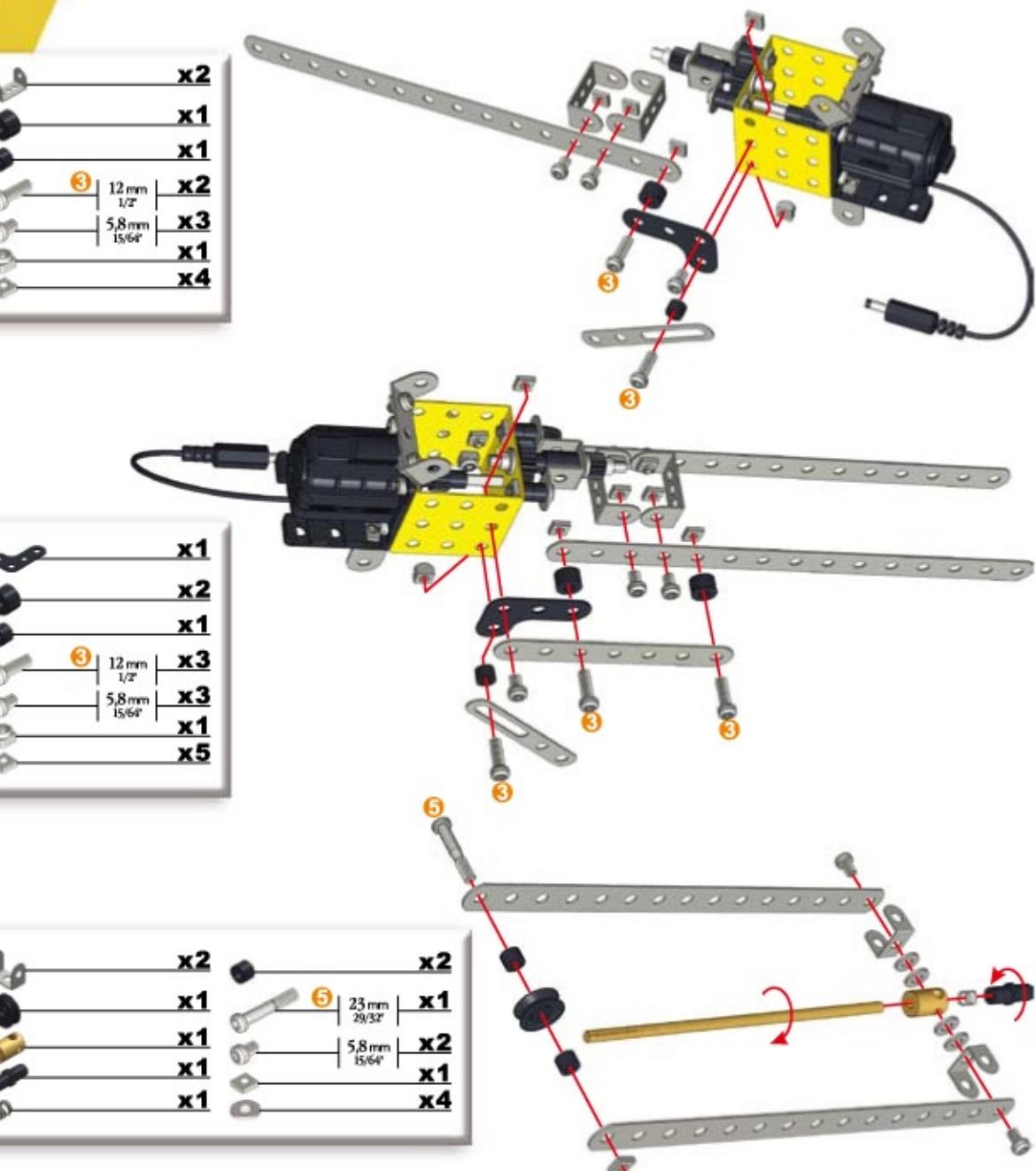
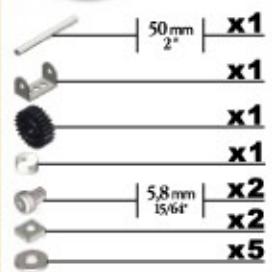
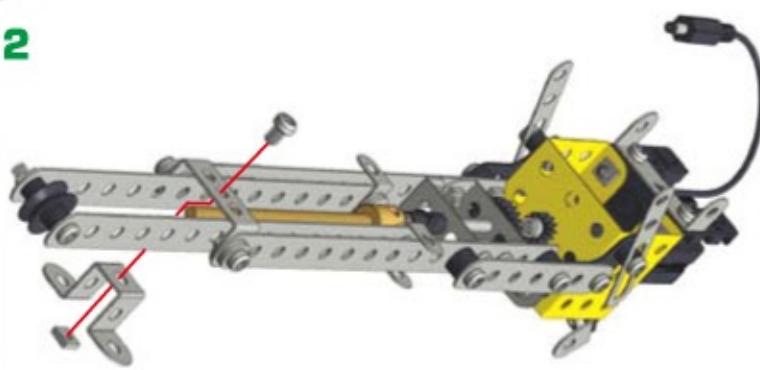
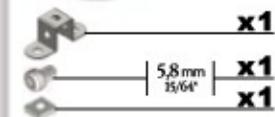
	x1
	x1
	x1
	x1
	x2
	x5
	x2
	x2
	x2
	x4
	x3

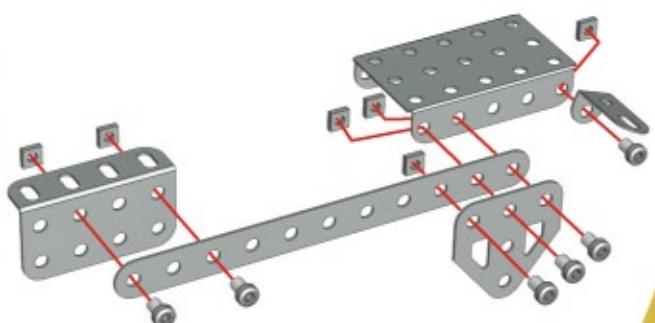
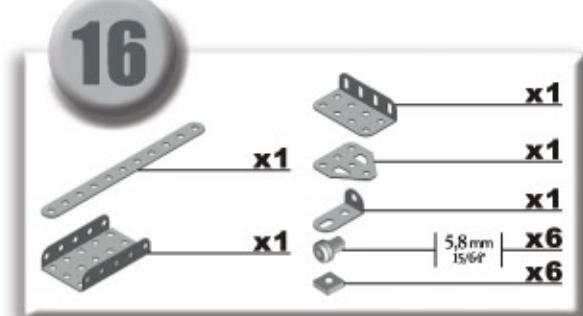
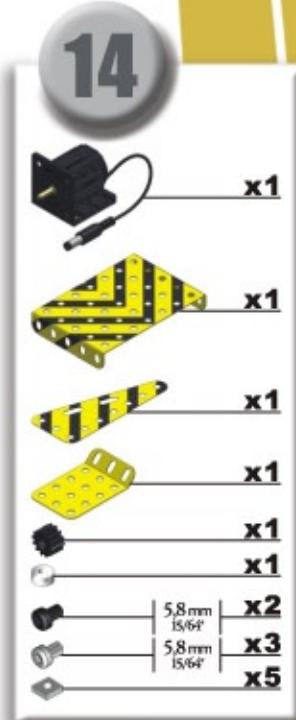
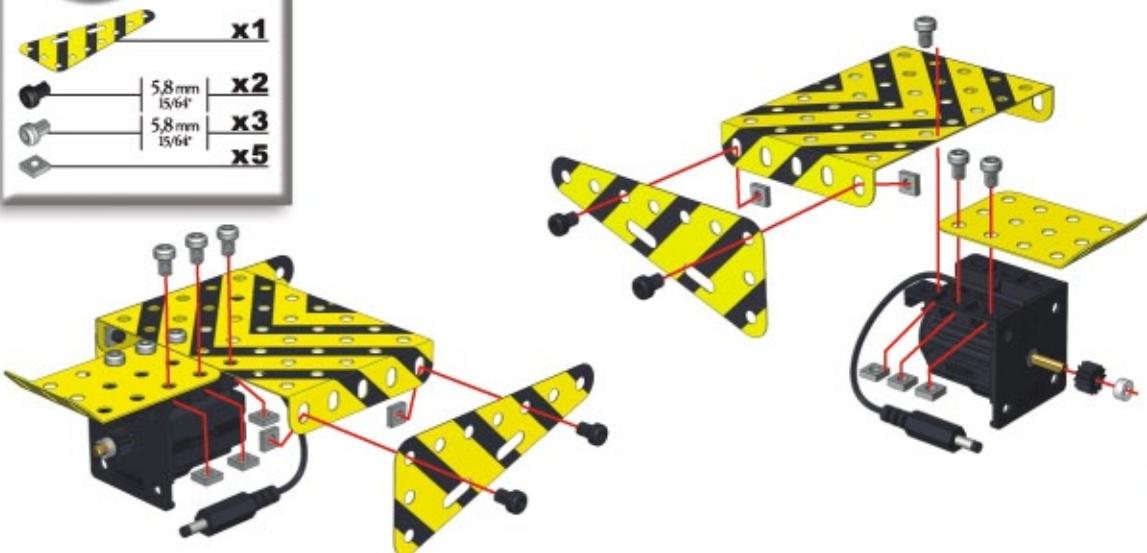
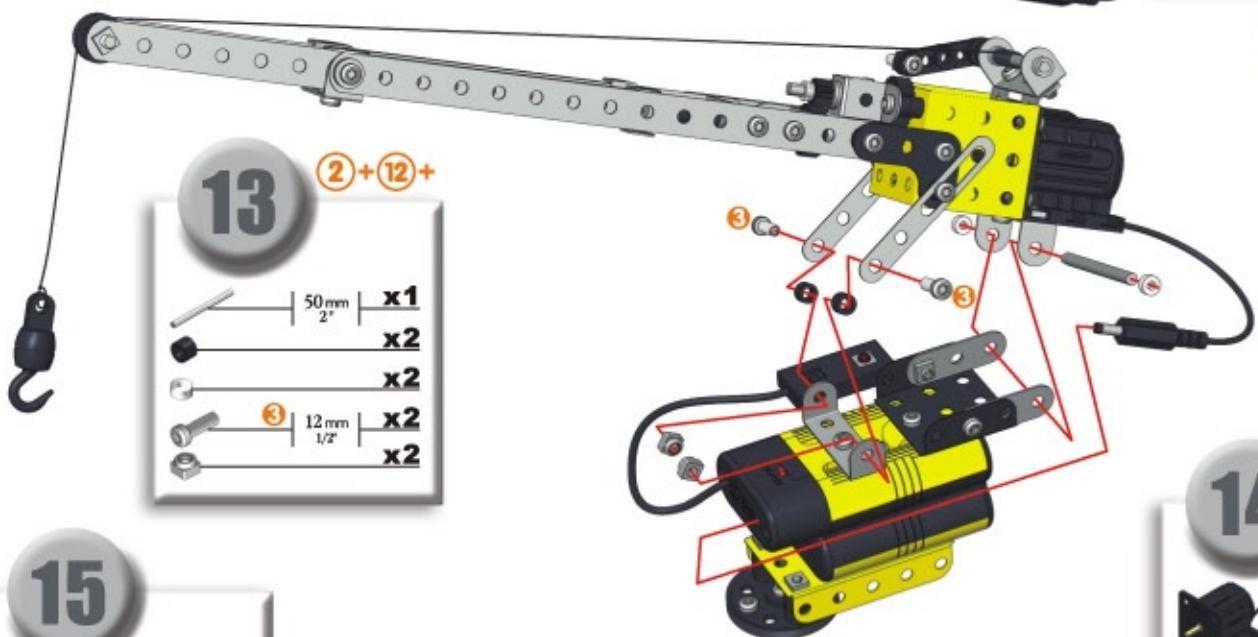
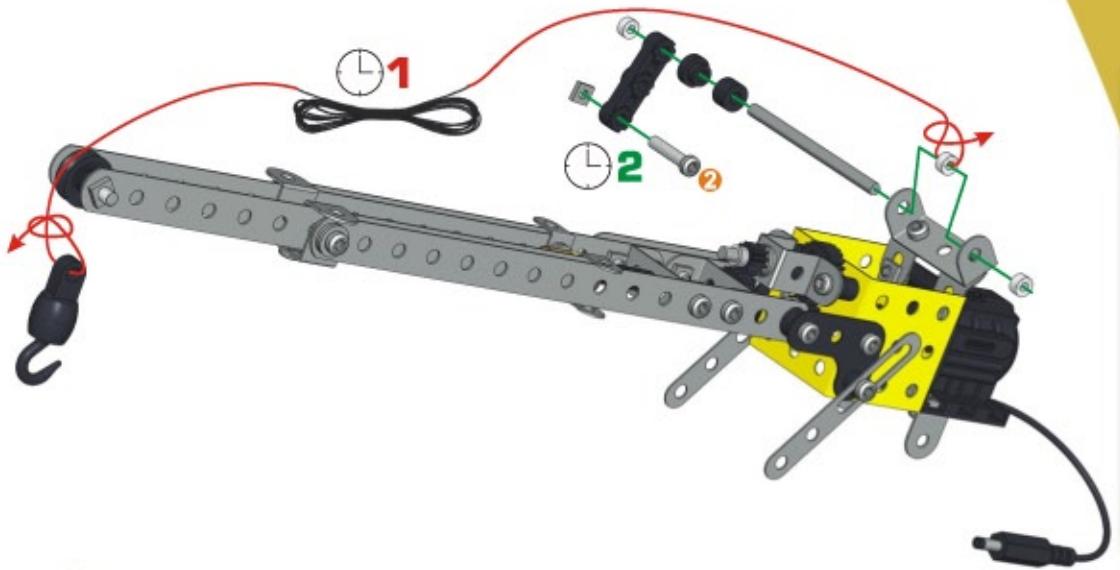
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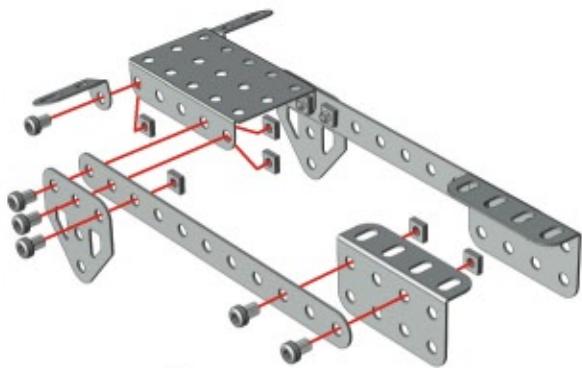
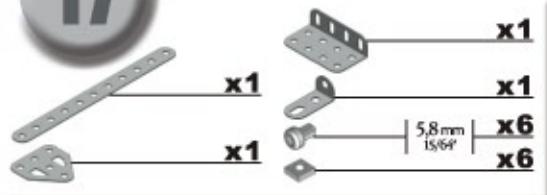
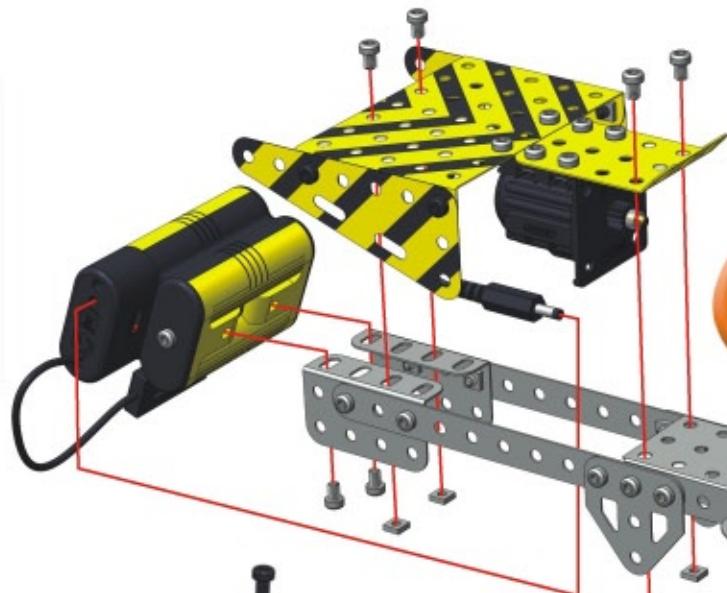
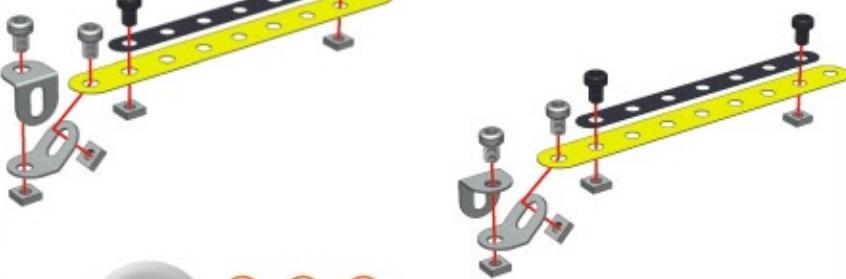
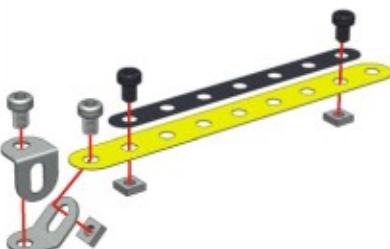
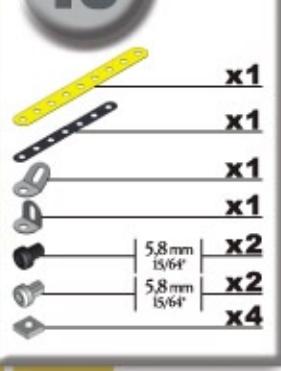
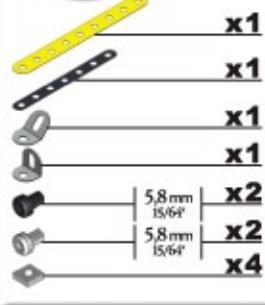
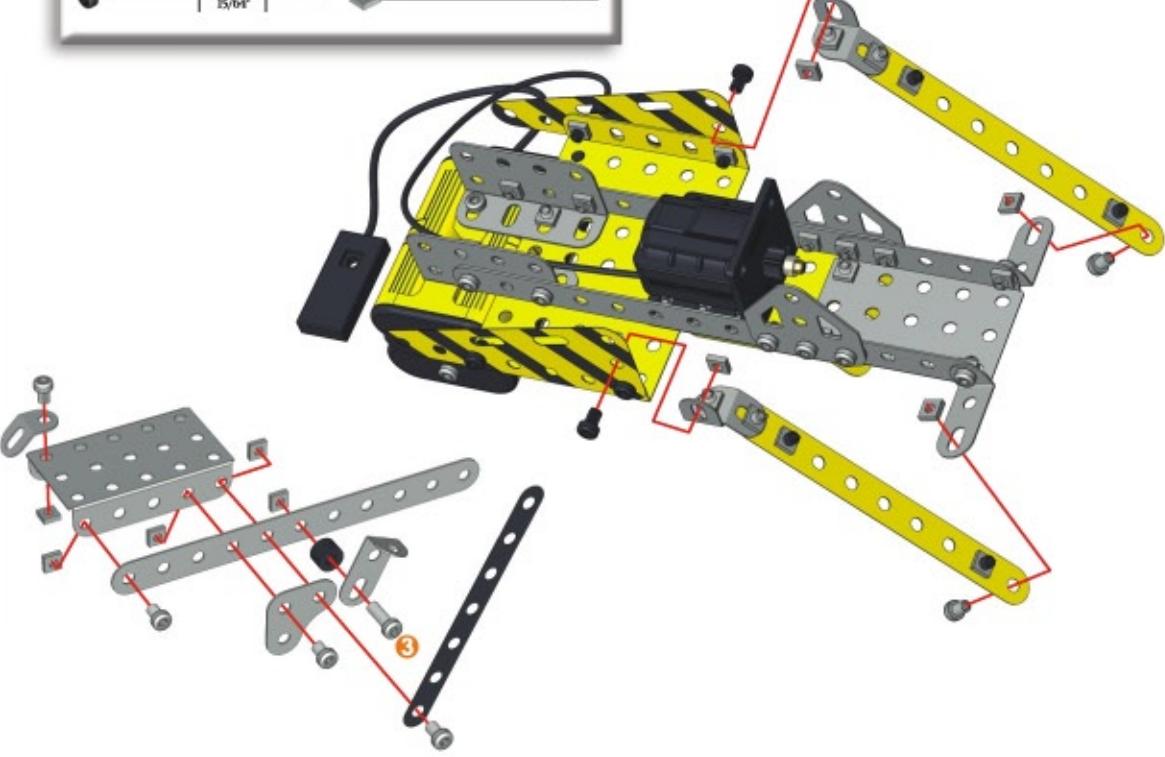


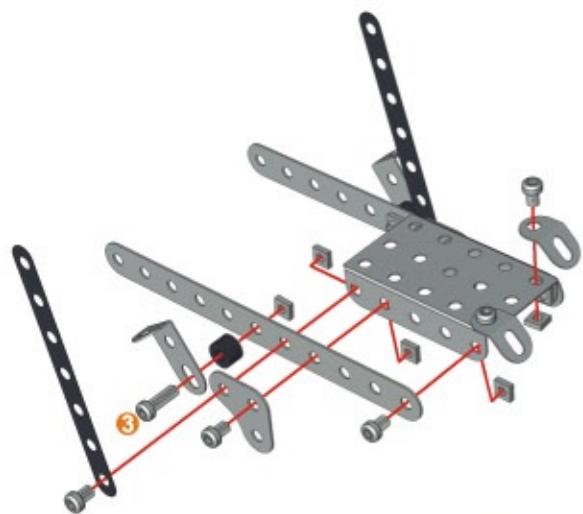
	x1
	x1
	x1
	x1

**7**

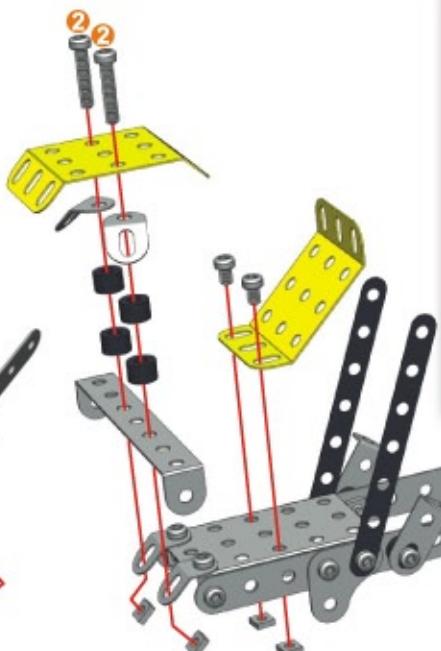
**7****8****9****10****11**



**17****18****(15+17)+****19****20****(18+19+20)+****22**

**23**

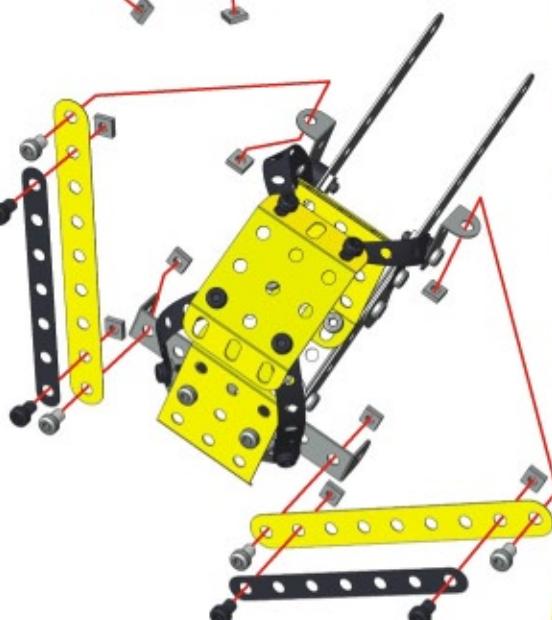
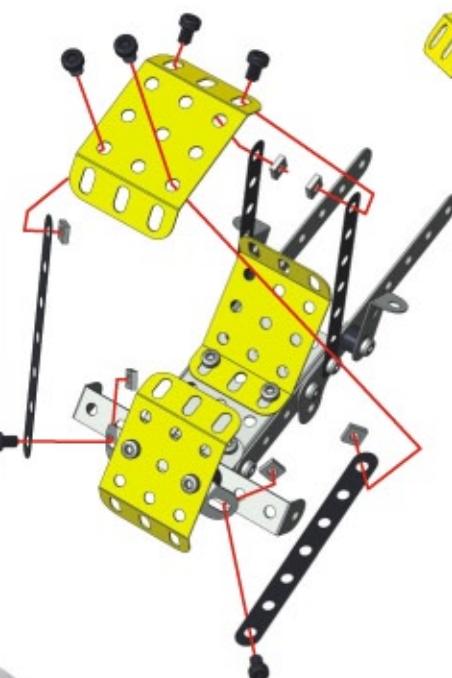
x1	
3	12 mm 1/2"
x4	5,8 mm 15/64"
x5	

**24**

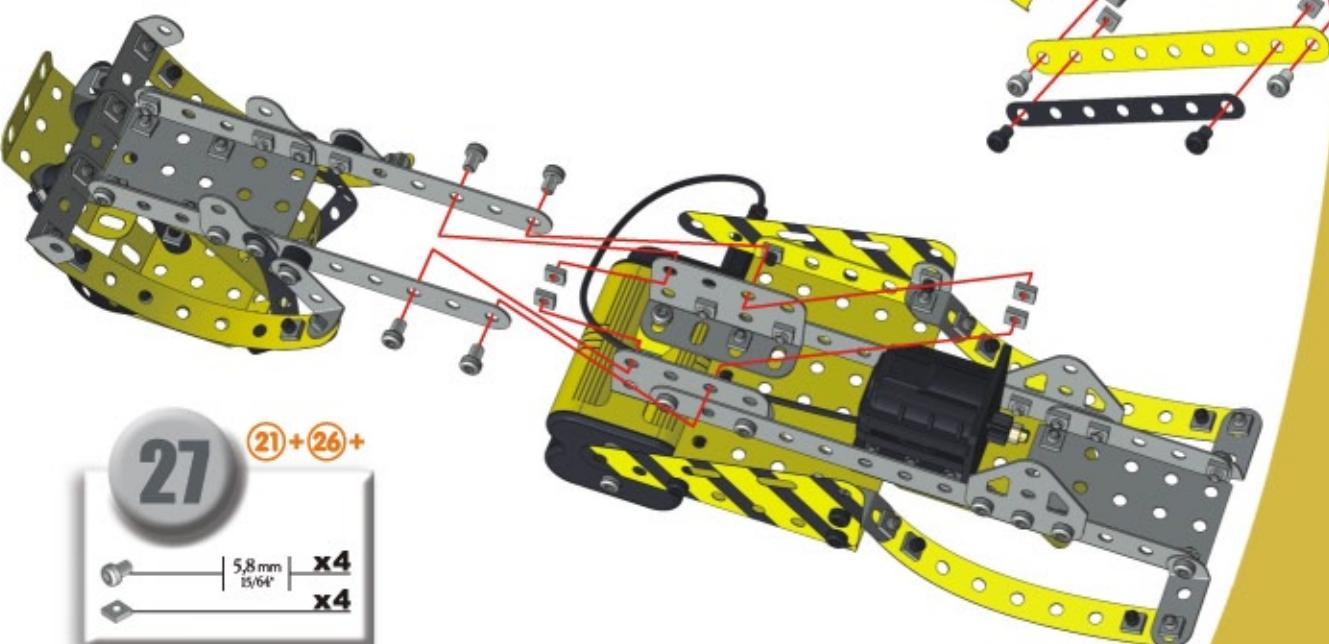
x1	
x2	
x2	
x4	
2	19 mm 3/4"
x2	
x2	
x4	

**25**

x2	
x1	
5,8 mm 15/64"	x6
x6	

**26**

x2	
5,8 mm 15/64"	x4
5,8 mm 15/64"	x4
x8	

**27**

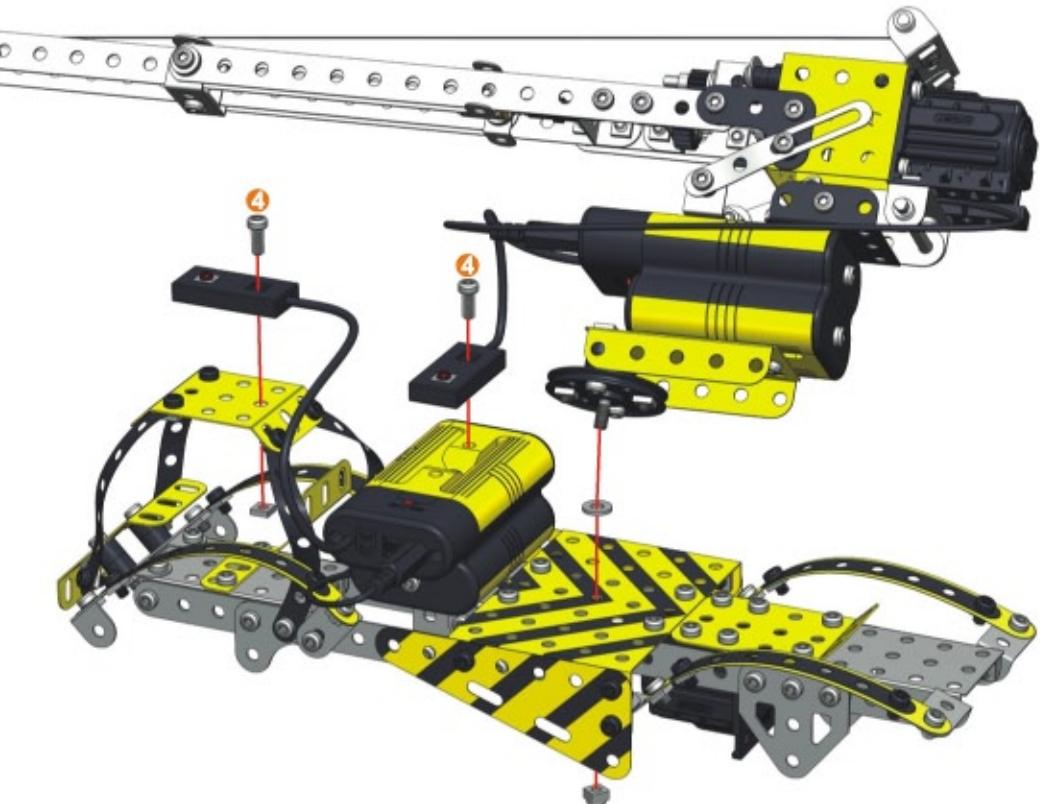
(21)+ (25)+

5,8 mm 15/64"	x4
x4	

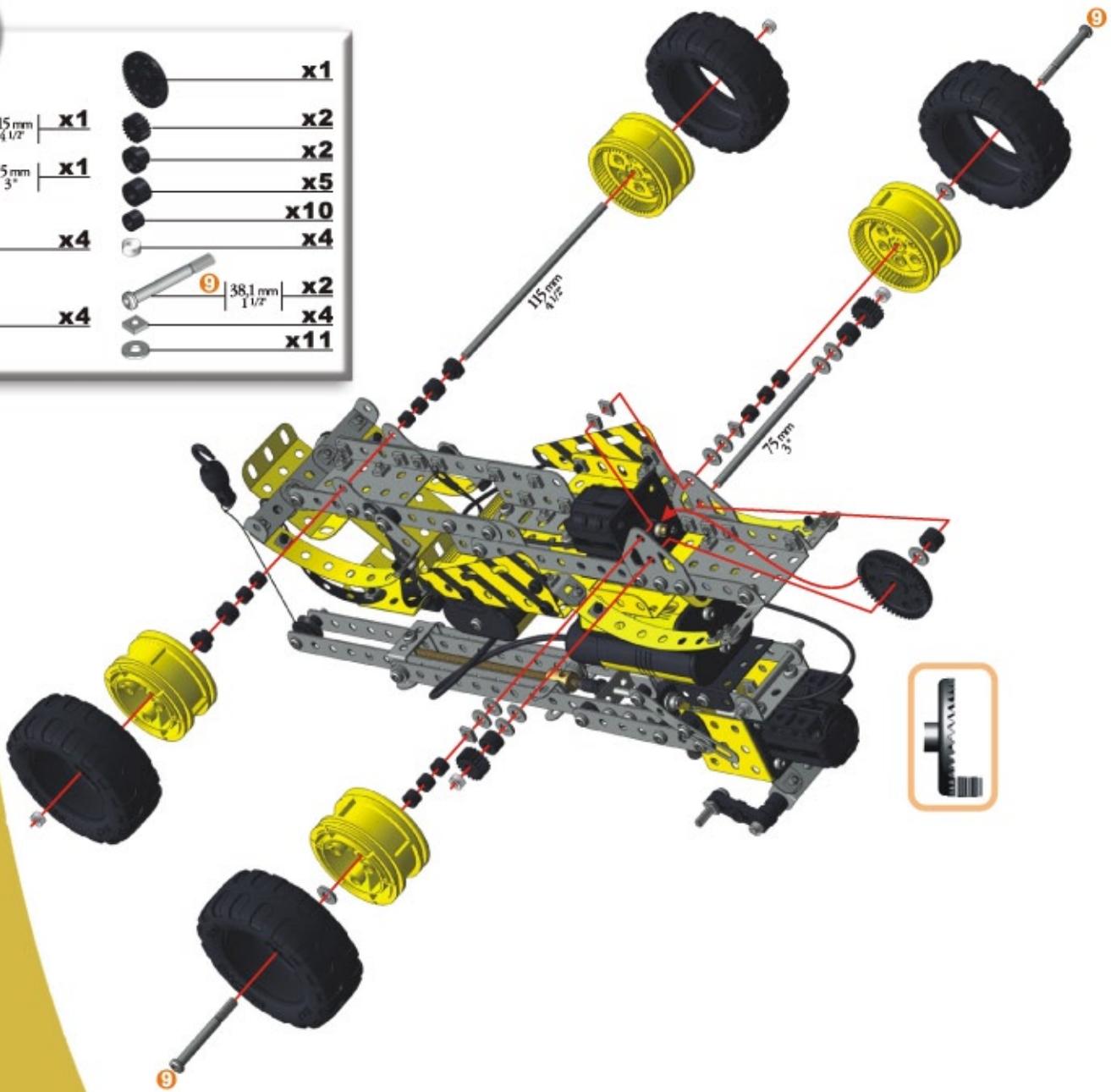
**28**

13 + 27 +

	4	9,5 mm 3/8"	x2
	x1		
	x1		
	x1		

**29**

	115 mm 4 1/2"	x1
	75 mm 3"	x1
	x4	
	x4	
	38,1 mm 1 1/2"	x2
	x4	
	x11	



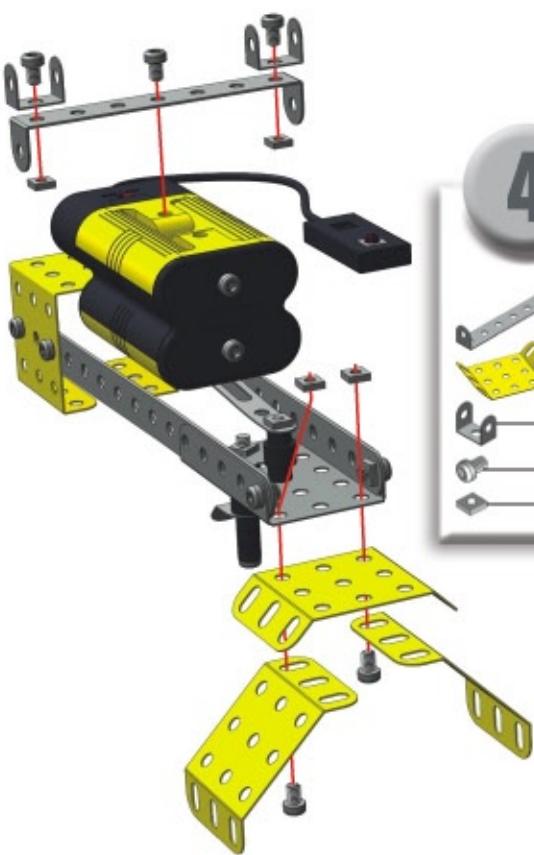
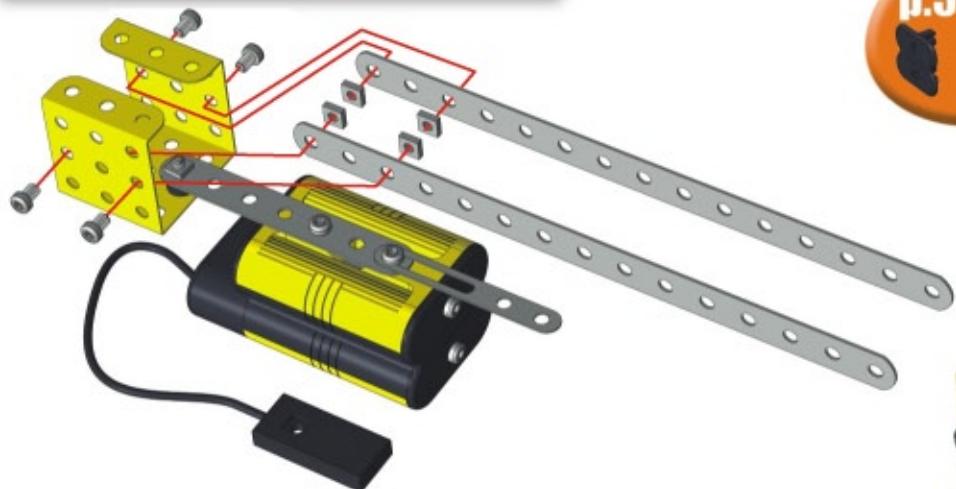


1

	x1
	x2
	x1

2

	x2
	x4
	x4

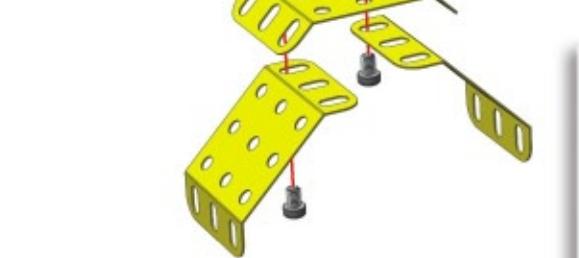


4

	x1
	x4
	x5
	x1
	x1
	x2
	x4

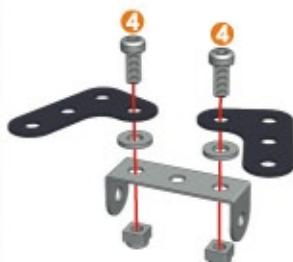
3

	x1
	x1
	x4
	x1
	x1
	x2
	x4



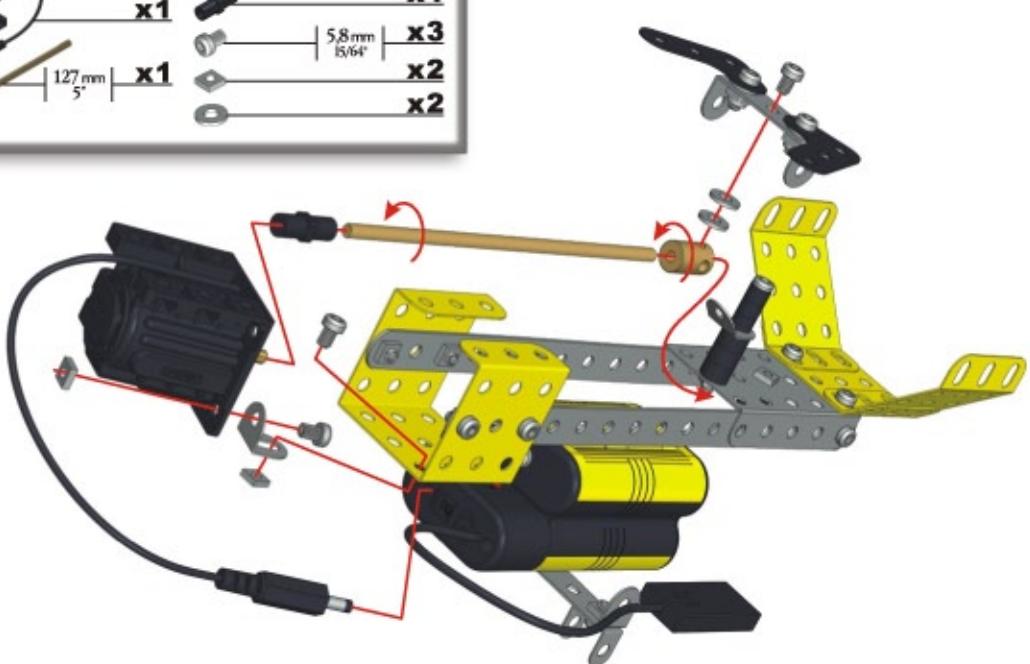
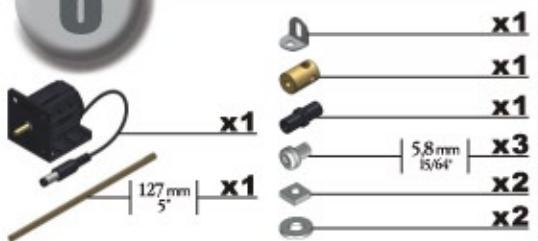
5

	x2
	x1
	x2
	x2
	x2

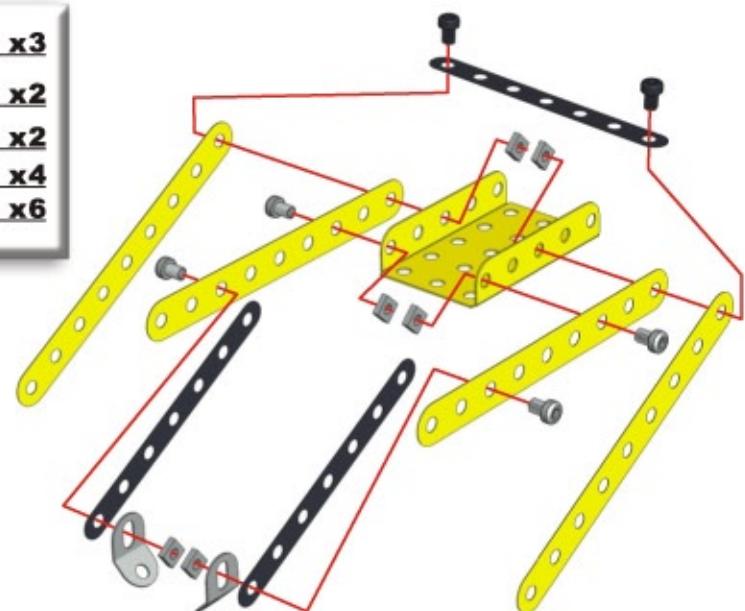
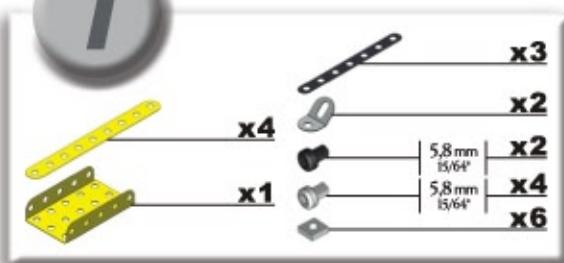
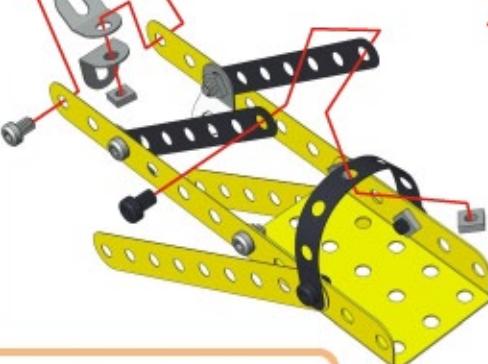
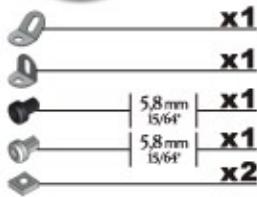
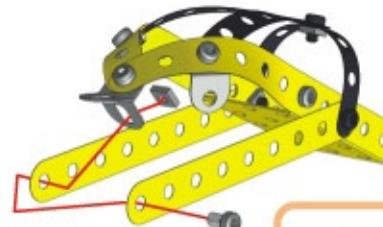


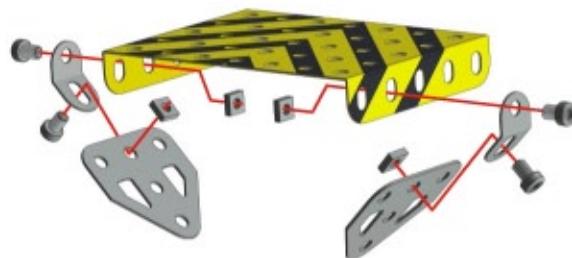
**6**

④ + ⑤ +

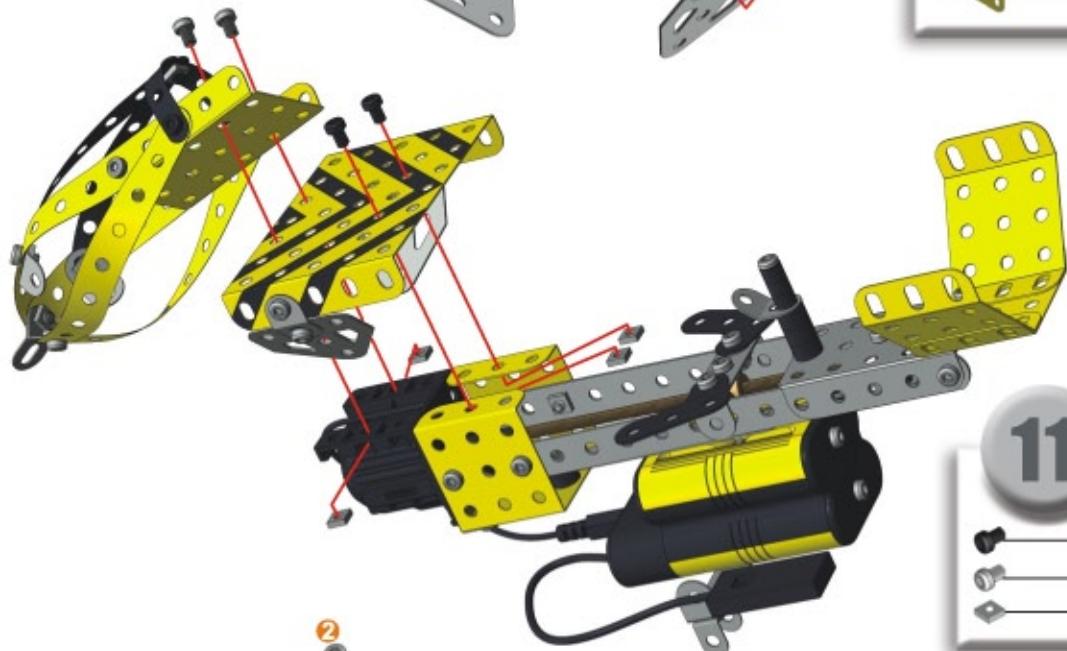
**7**

+ ⑥

**8****9**

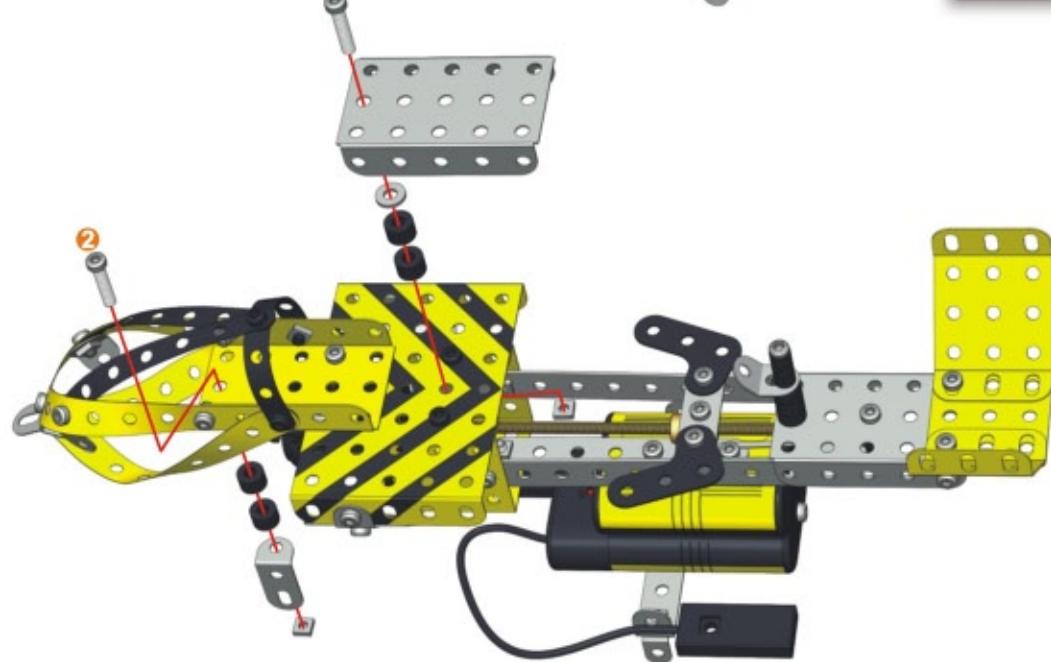
**10**

	x1
	x2
	x4
	x4

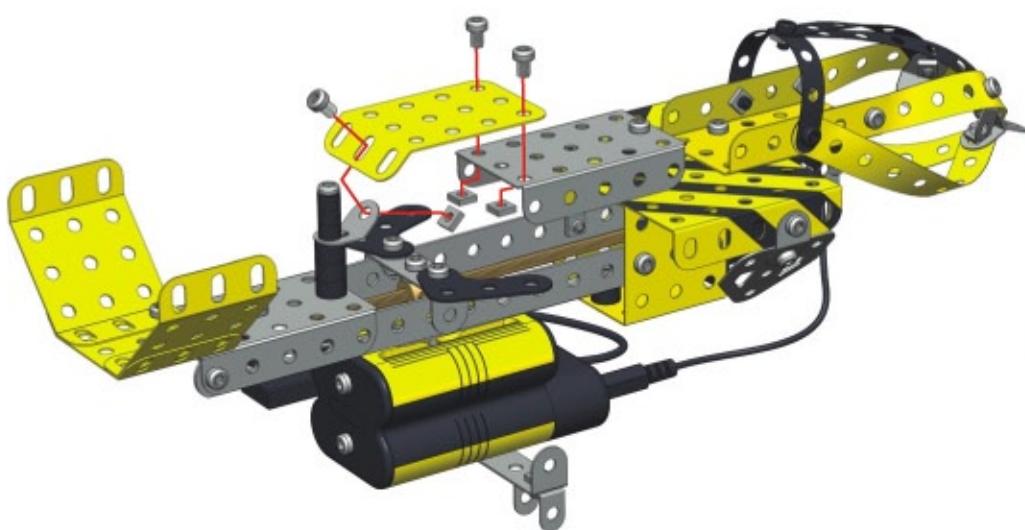
**11**

⑥ + ⑨ + ⑩ +

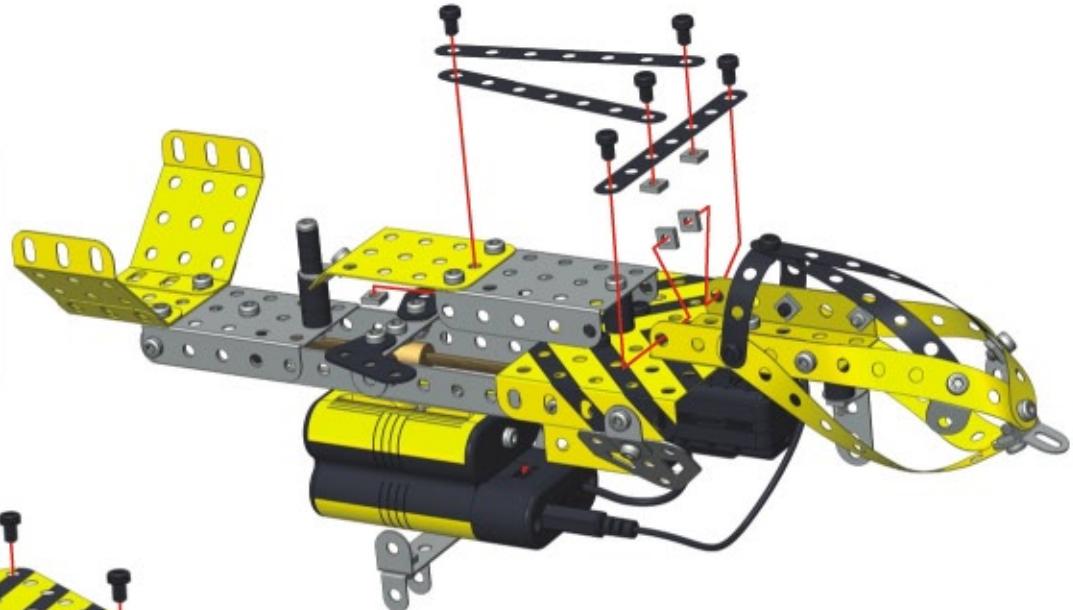
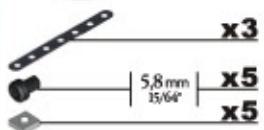
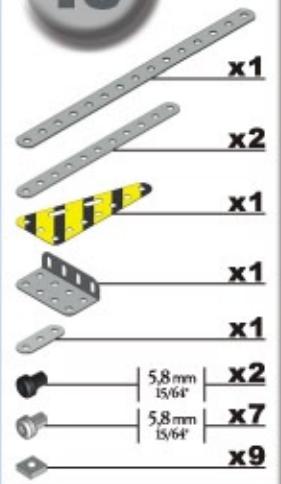
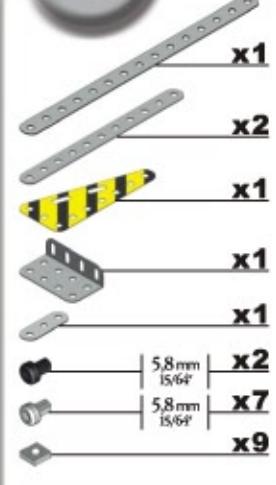
	5,8 mm 15/64"	x2
	5,8 mm 15/64"	x2
		x4

**12**

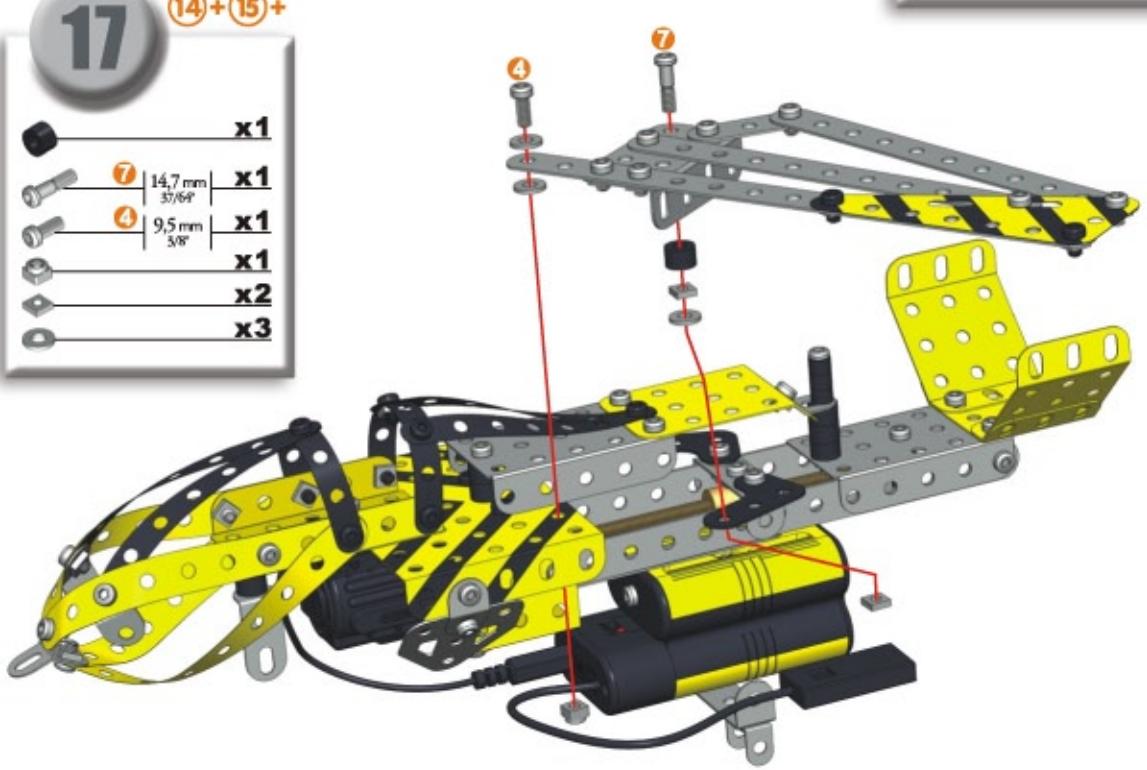
	x1
	x1
	x4
	19 mm 3/4"
	x2
	x2
	x1

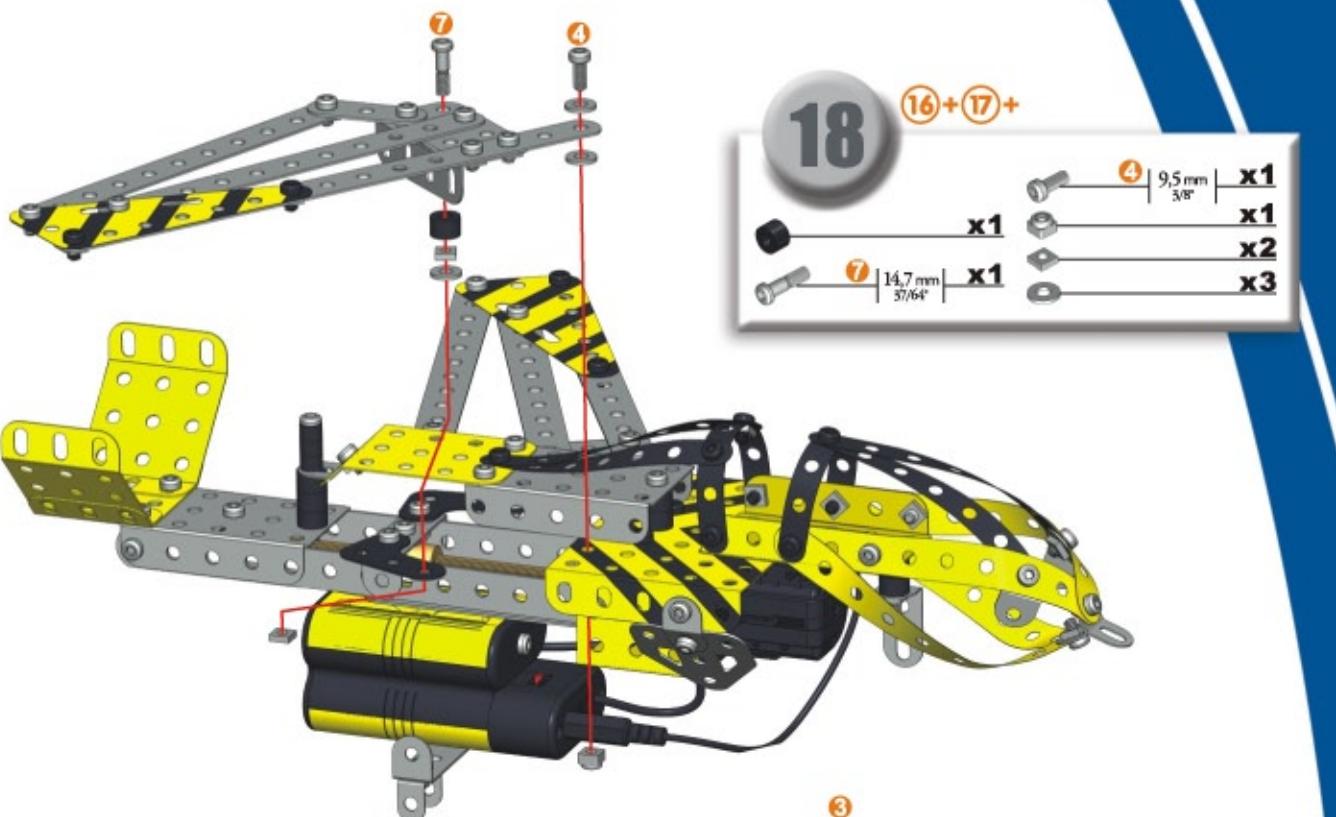
**13**

	x1
	5,8 mm 15/64"
	x3

**14****15****16****17**

(14 + 15 +





**18**

16+17+

x1  
x1  
x2  
x3

4 | 9.5 mm | 3/8" | x1  
4 | 14.7 mm | 57/64" | x1  
7 | 14.7 mm | 57/64" | x1



**19**

3 | 12 mm | 1/2" | x1  
3, x1



**20**

50 mm | 2" | x2  
50 mm | 2" | x1

14.7 mm | 57/64" | x1

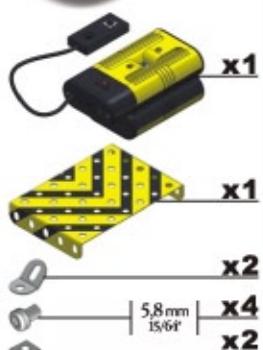
14.7 mm | 57/64" | x2

14.7 mm | 57/64" | x4

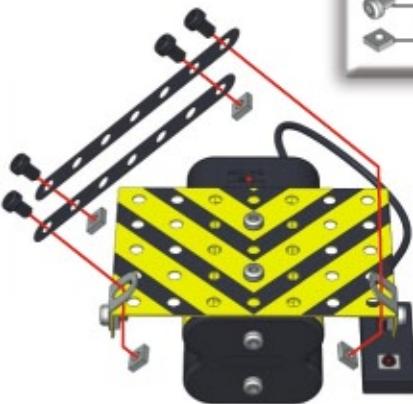
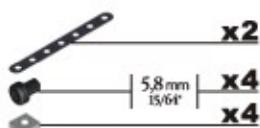
5.8 mm | 15/64" | x2  
5.8 mm | 15/64" | x4



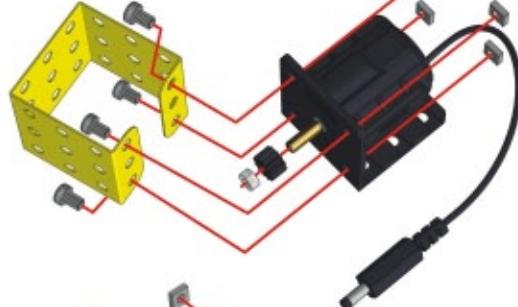
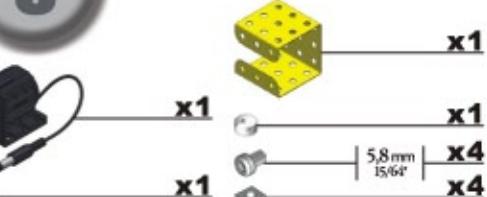
1



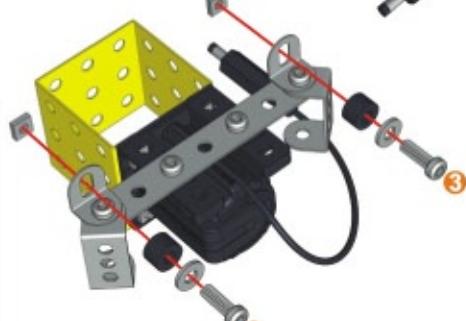
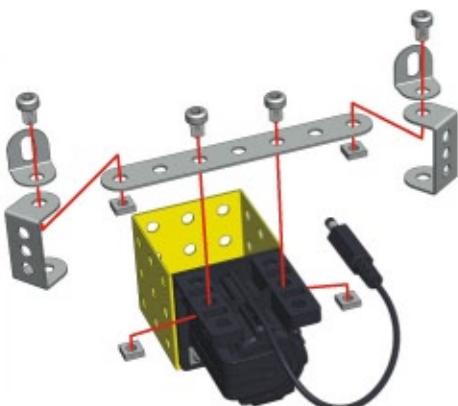
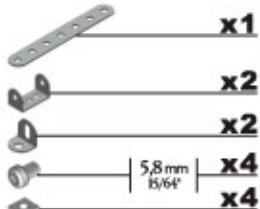
2



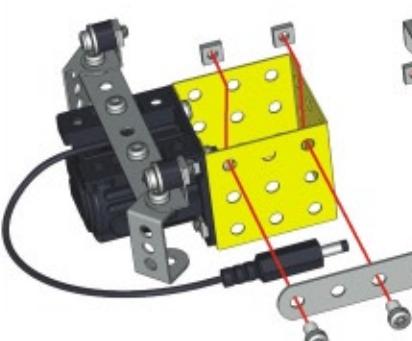
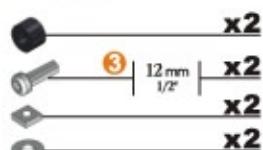
3



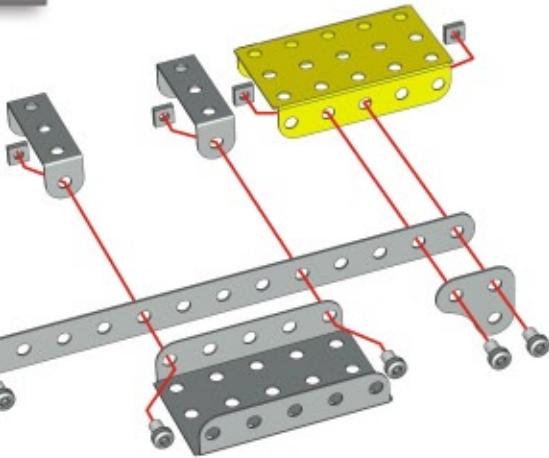
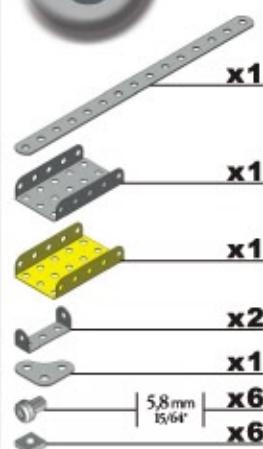
4

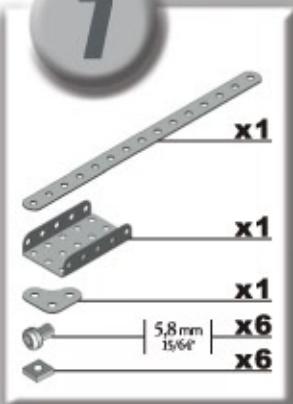
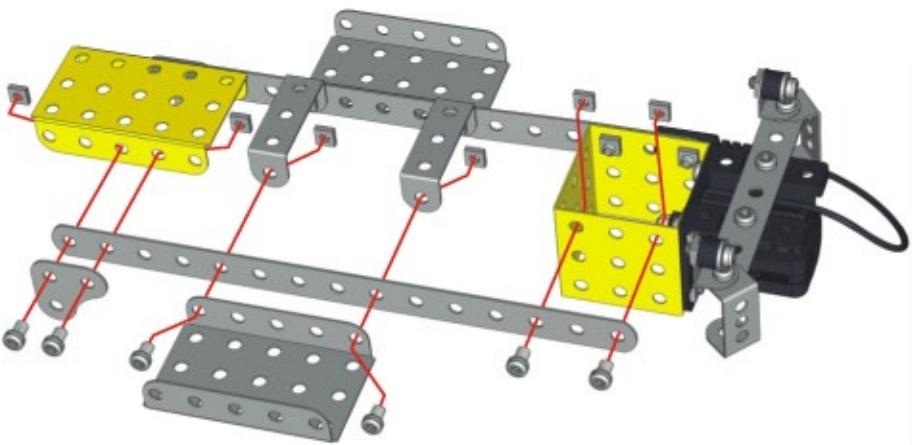
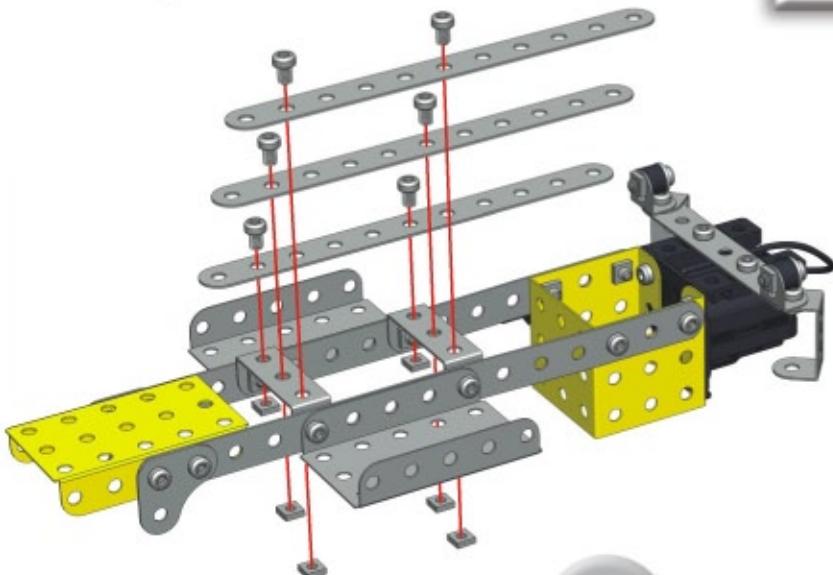
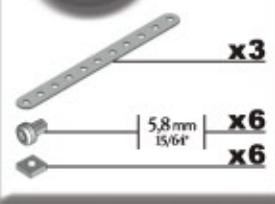
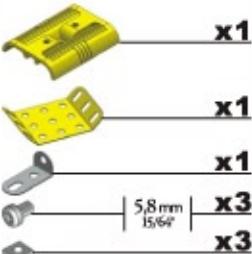
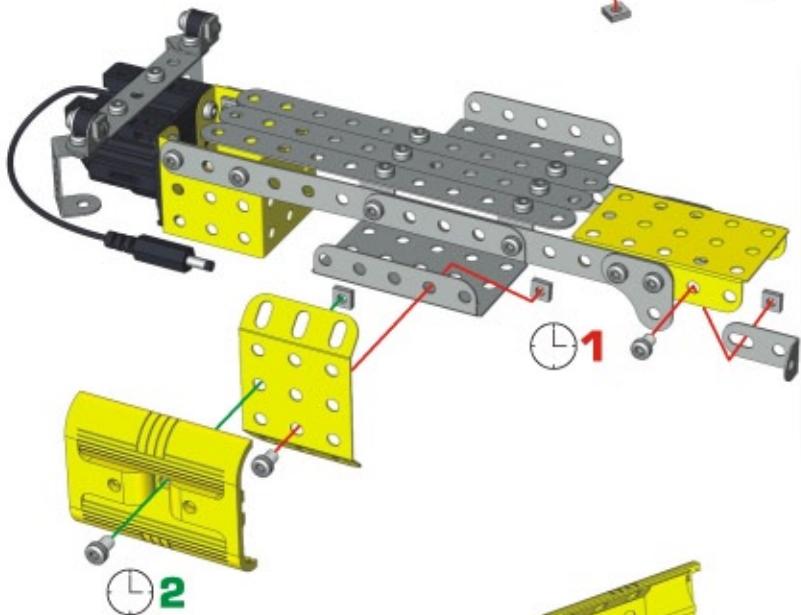
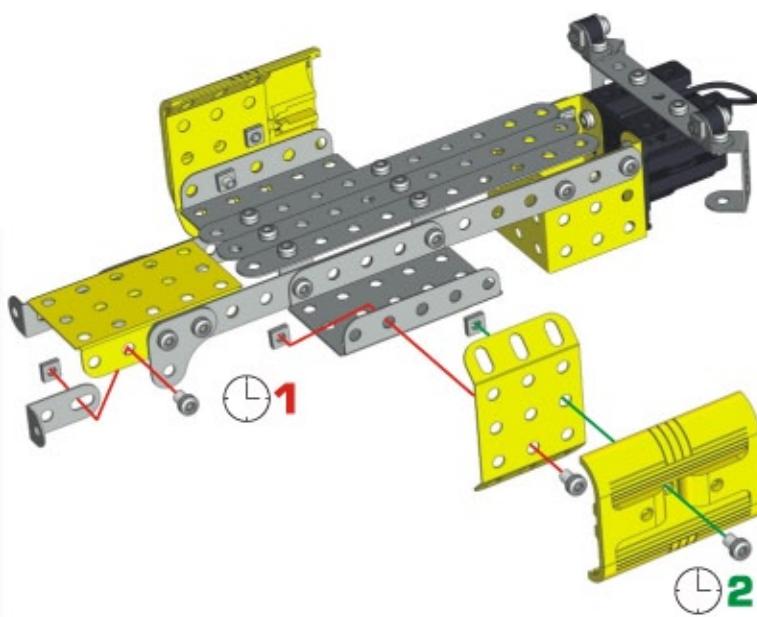
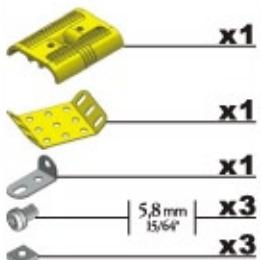


5



6



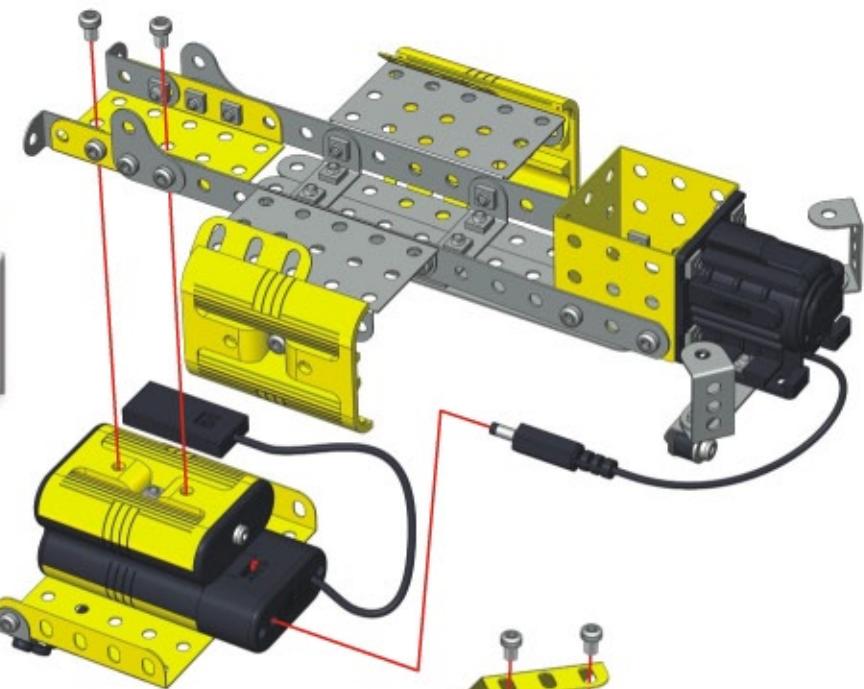
**7****8****9****10**

**11**

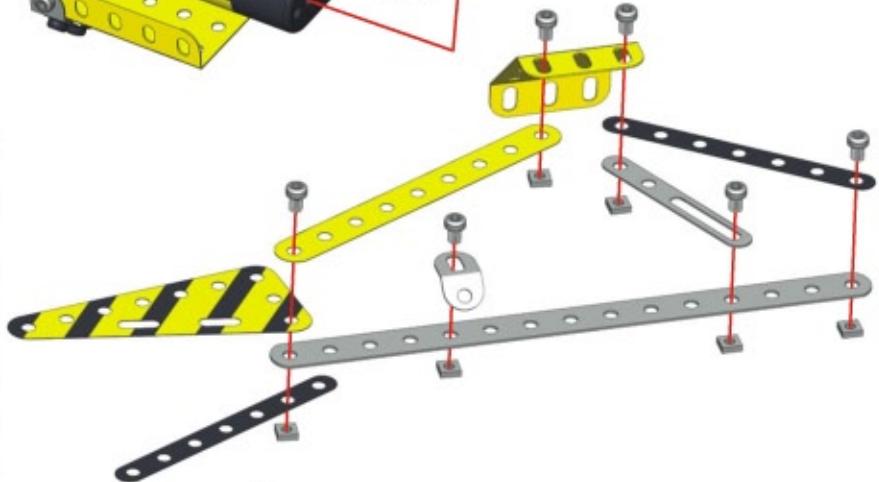
2 + 10+

5,8 mm  
15/64"

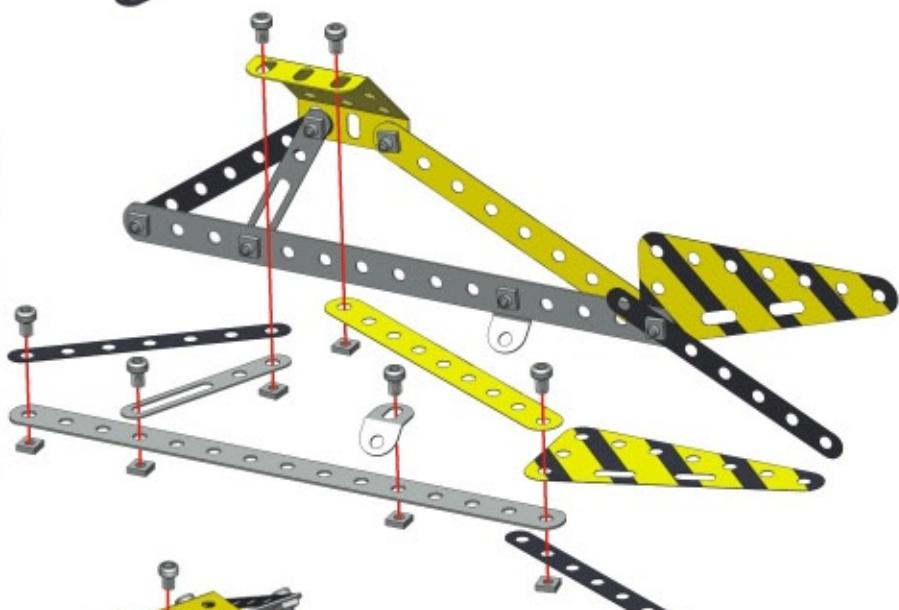
x2

**12**

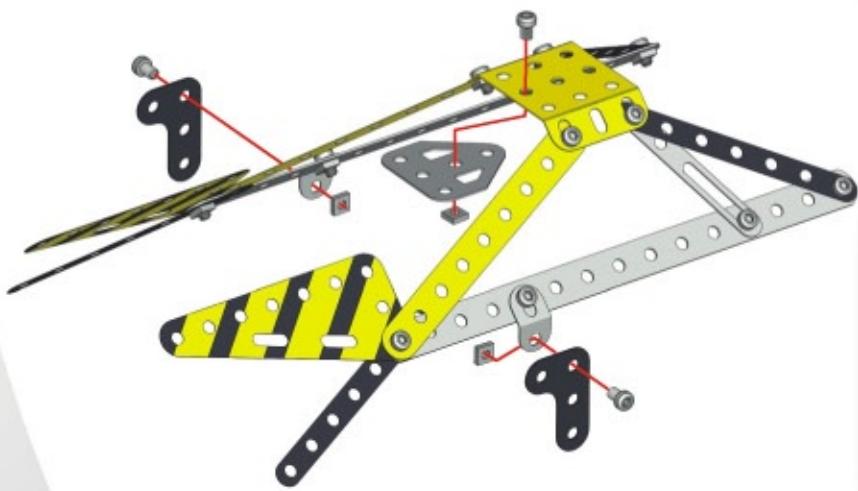
x1	x1
x2	5,8 mm 15/64"
	x6
	x6

**13**

x1	x1
x1	x1
x1	x1
x2	5,8 mm 15/64"
	x6
	x6

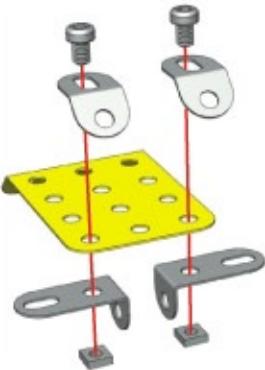
**20****14**

x1	
x2	
x3	5,8 mm 15/64"
x3	



**15**

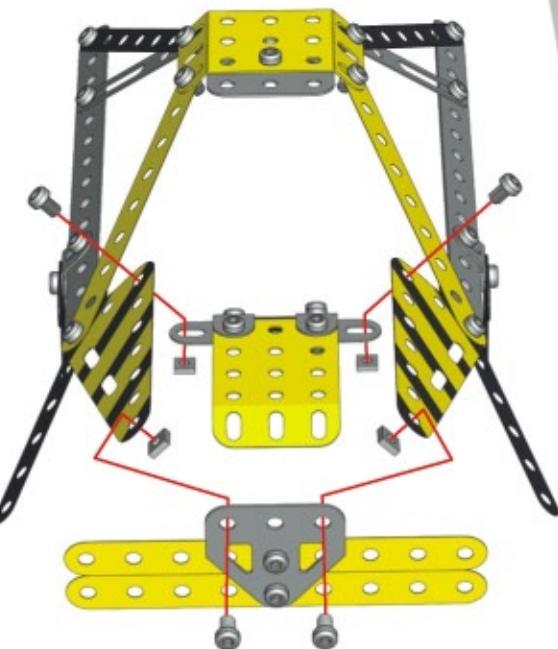
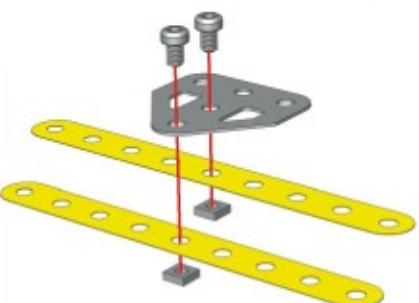
	x1
	x2
	x2
	x2
	x2

**16**

	x1
	x1
	x2
	x4

**17**

	x2
	x1
	x2
	x2

**18**

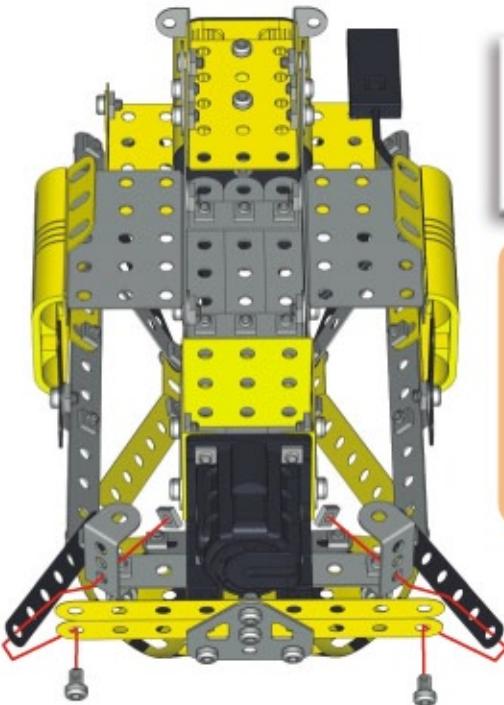
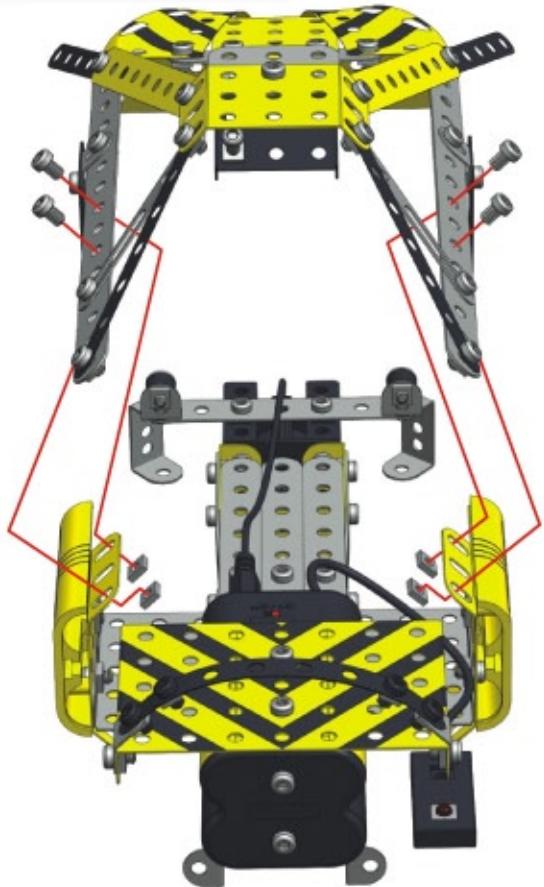
(14 + 16 + 17)

	x4
	x4

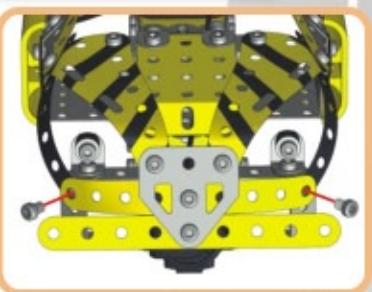
**19**

(11 + 18 +

	x4
	x4

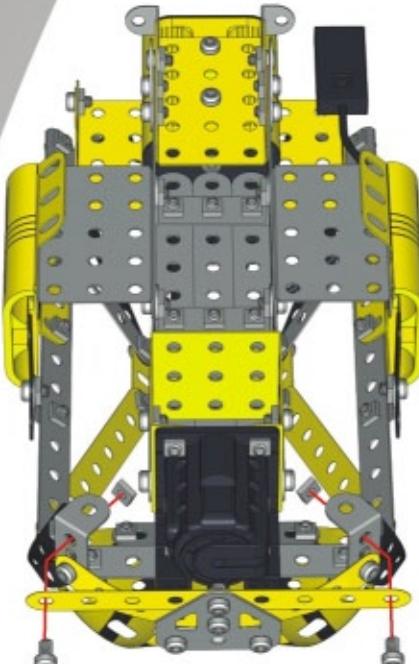
**20**

	x2
	x2



**21**

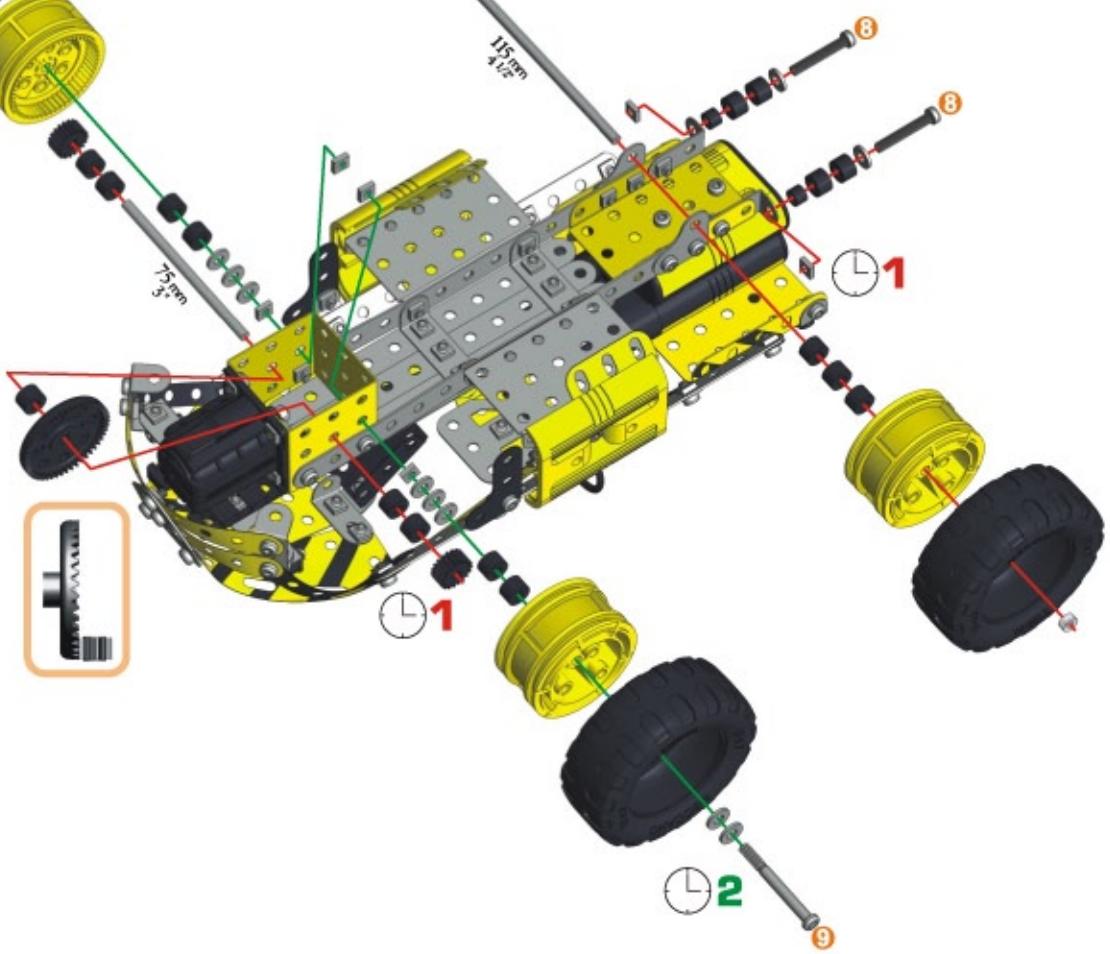
5,8 mm  
13/64" x2

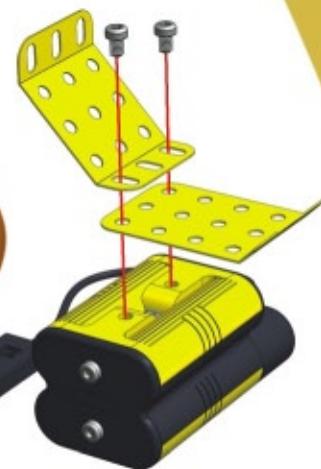
**22**

9,5 mm  
3/8" x1

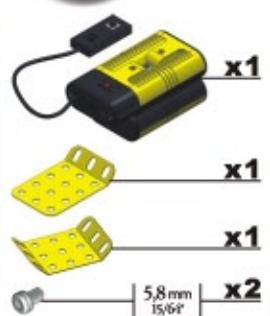
**23**

	x4
	x4
115 mm 4 1/2"	x1
75 mm 3"	x1
x1	
x2	
x19	
x2	
x2	
x6	
38,1 mm 1 1/2"	x2
25,4 mm 1"	x2
	x6
	x12

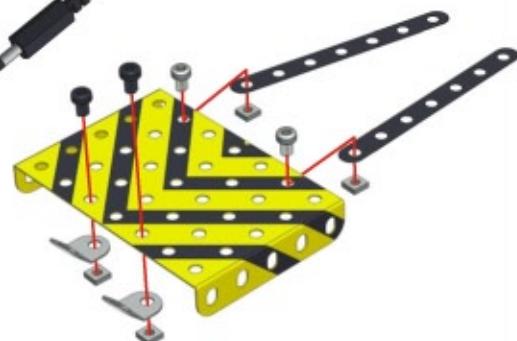
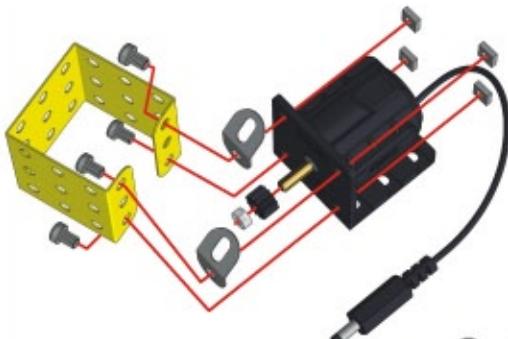
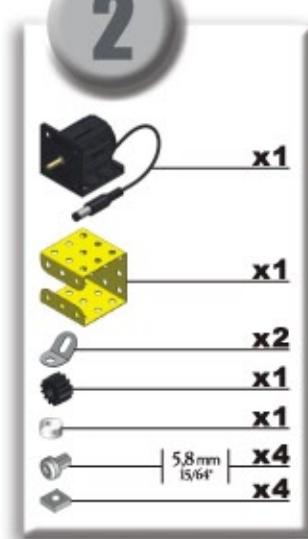
**22**



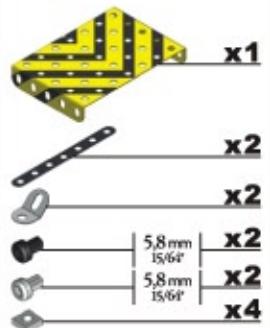
1



2

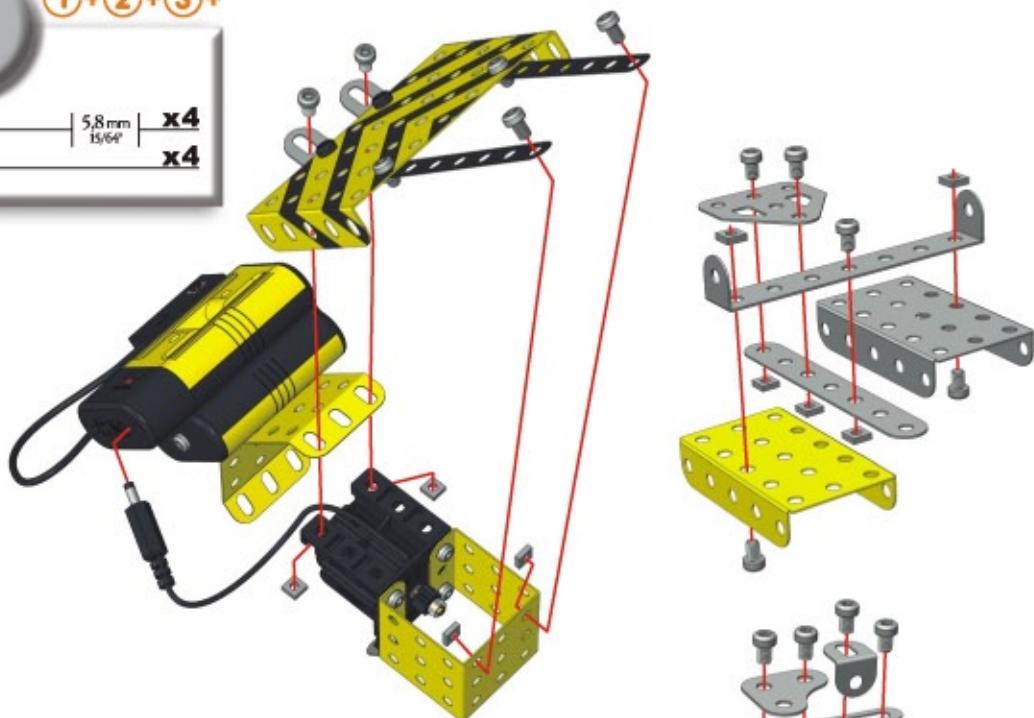


3

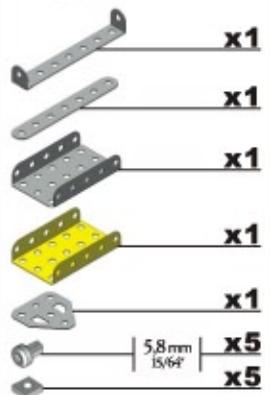


4

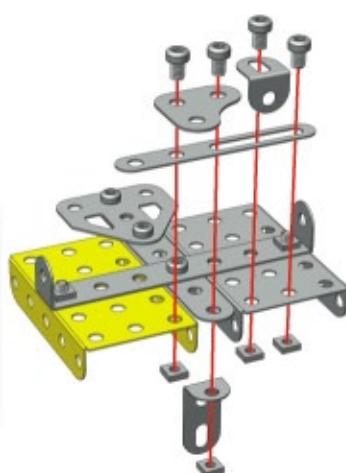
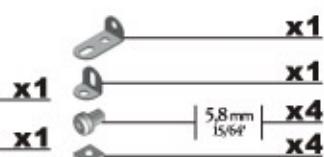
(1)+(2)+(3)+



5

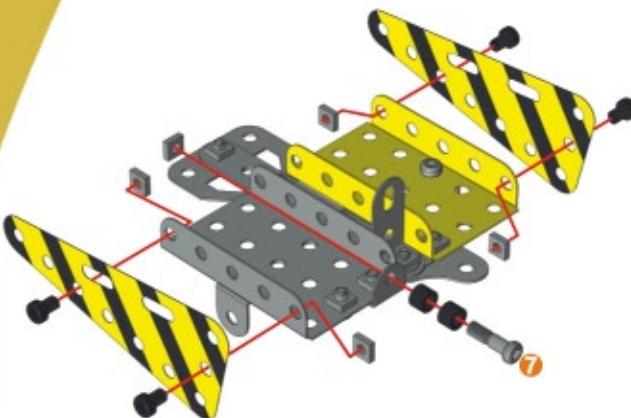


6

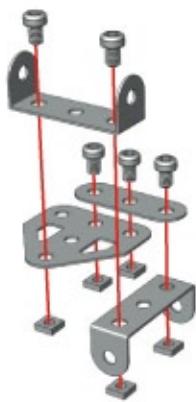


**7**

	x2
	x2
	7   14,7 mm 57/64"
	x4
	x5

**8**

	x1
	x2
	x1
	5,8 mm 35/64"
	x5
	x5

**9**

(5+7+8)+

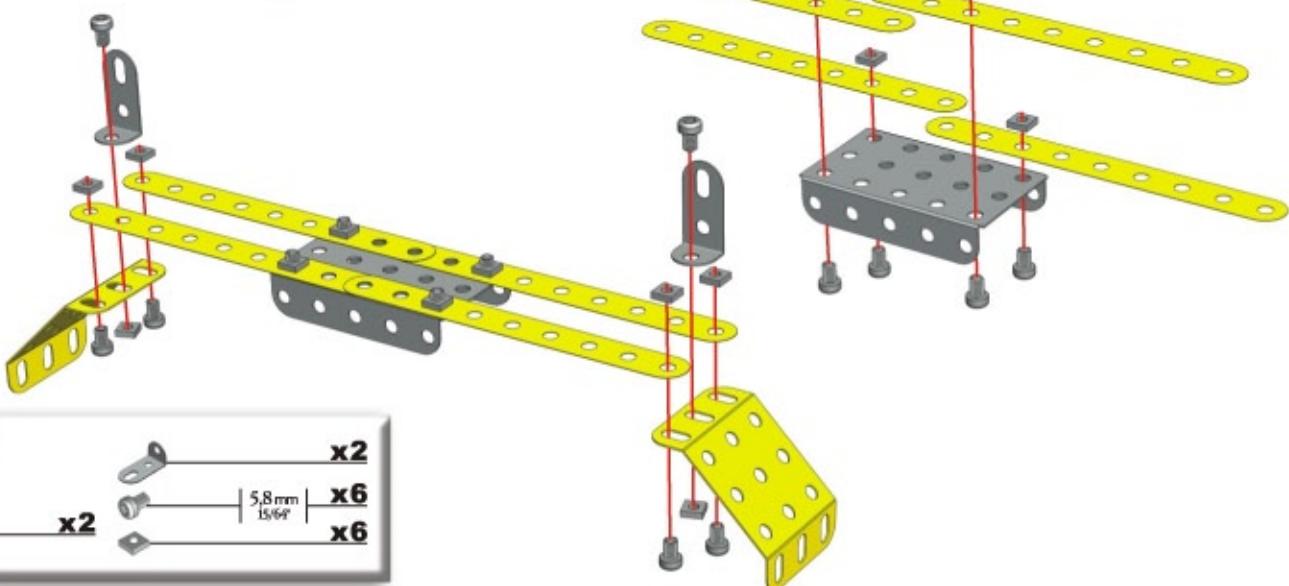
	x1
	7   14,7 mm 57/64"
	4   9,5 mm 5/8"
	x2
	x3
	x1
	x1

**10**

	x4
	x1
	5,8 mm 35/64"
	x4

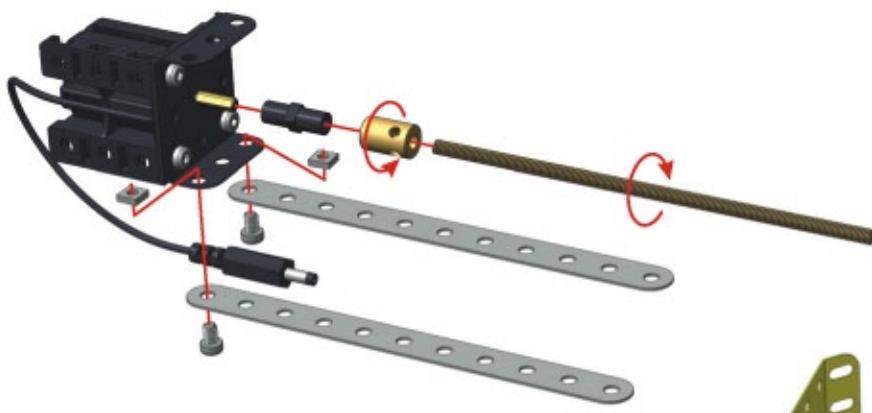
**11**

	x2
	5,8 mm 35/64"
	x6

**12**

	x1
	5,8 mm 35/64"
	x4





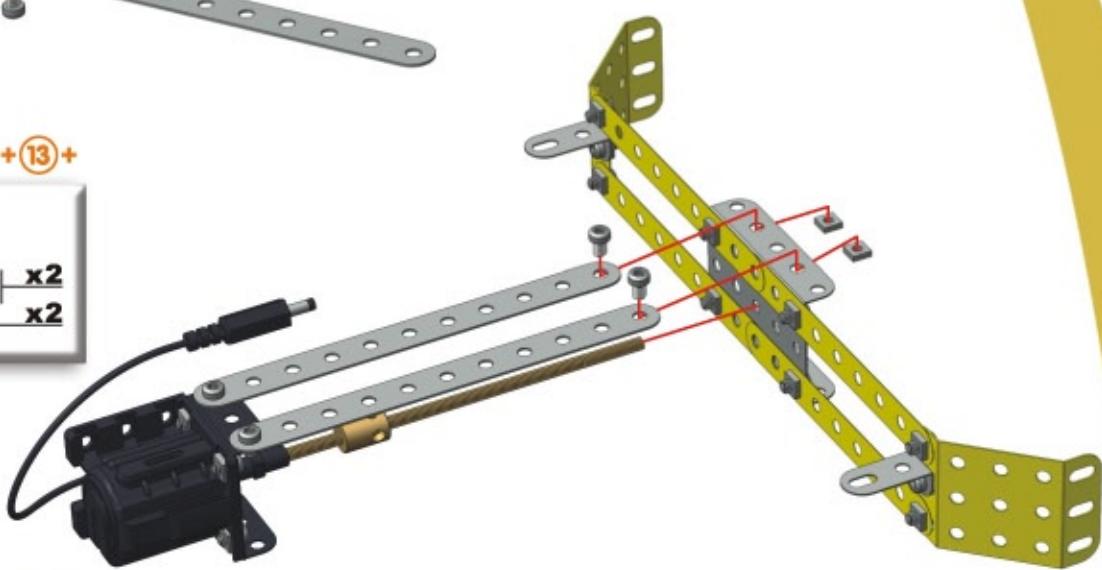
**13**

x1	Brass coupling
x2	Screwdriver
x1	5.8 mm 15/64" Nut
x2	Flat washer

**14**

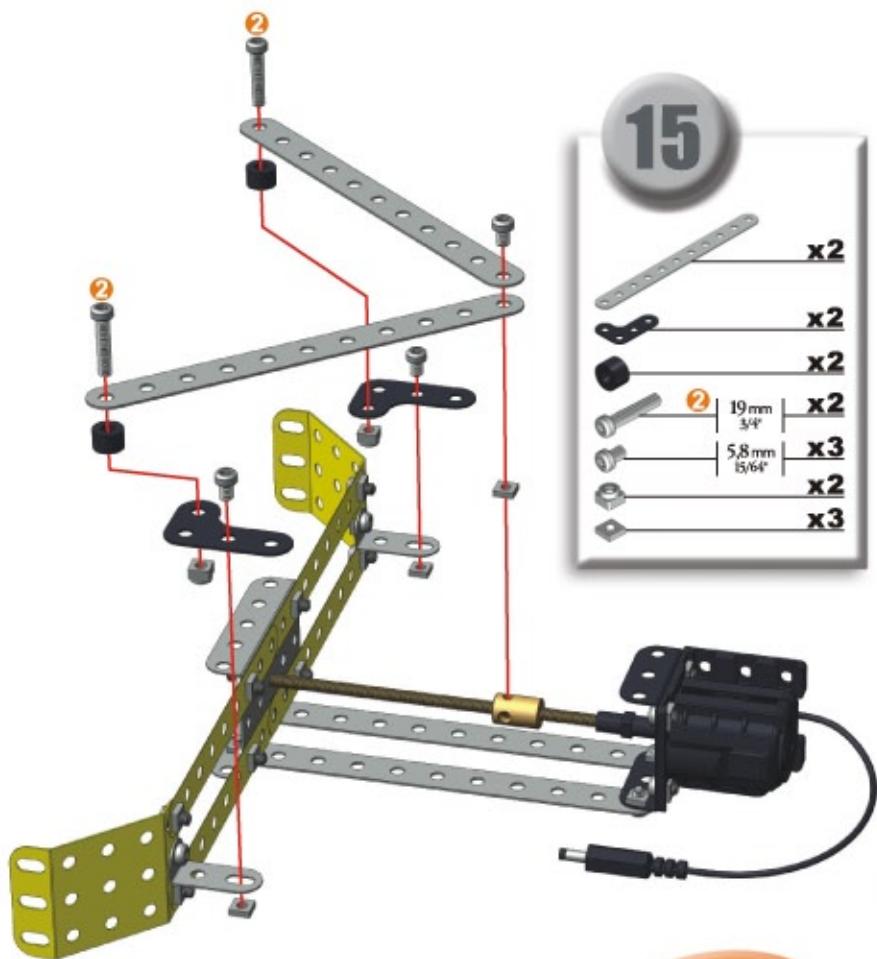
(11 + 13 +

x2	5.8 mm 15/64" Nut
x2	Flat washer



**15**

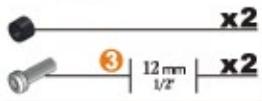
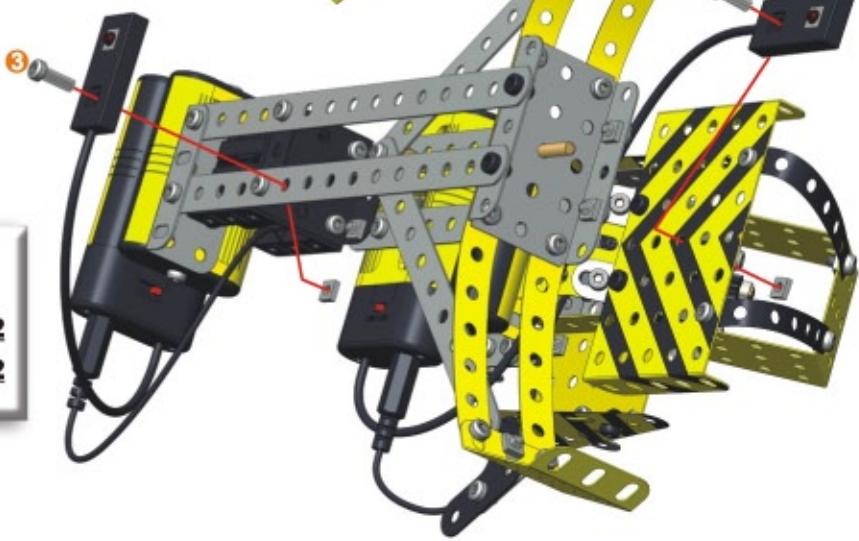
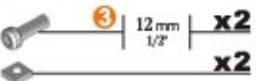
x2	Grey beam
x2	Black L-shaped bracket
x2	Black screw
x2	19 mm 3/4" Nut
x3	5.8 mm 15/64" Nut
x2	Flat washer
x3	Flat washer

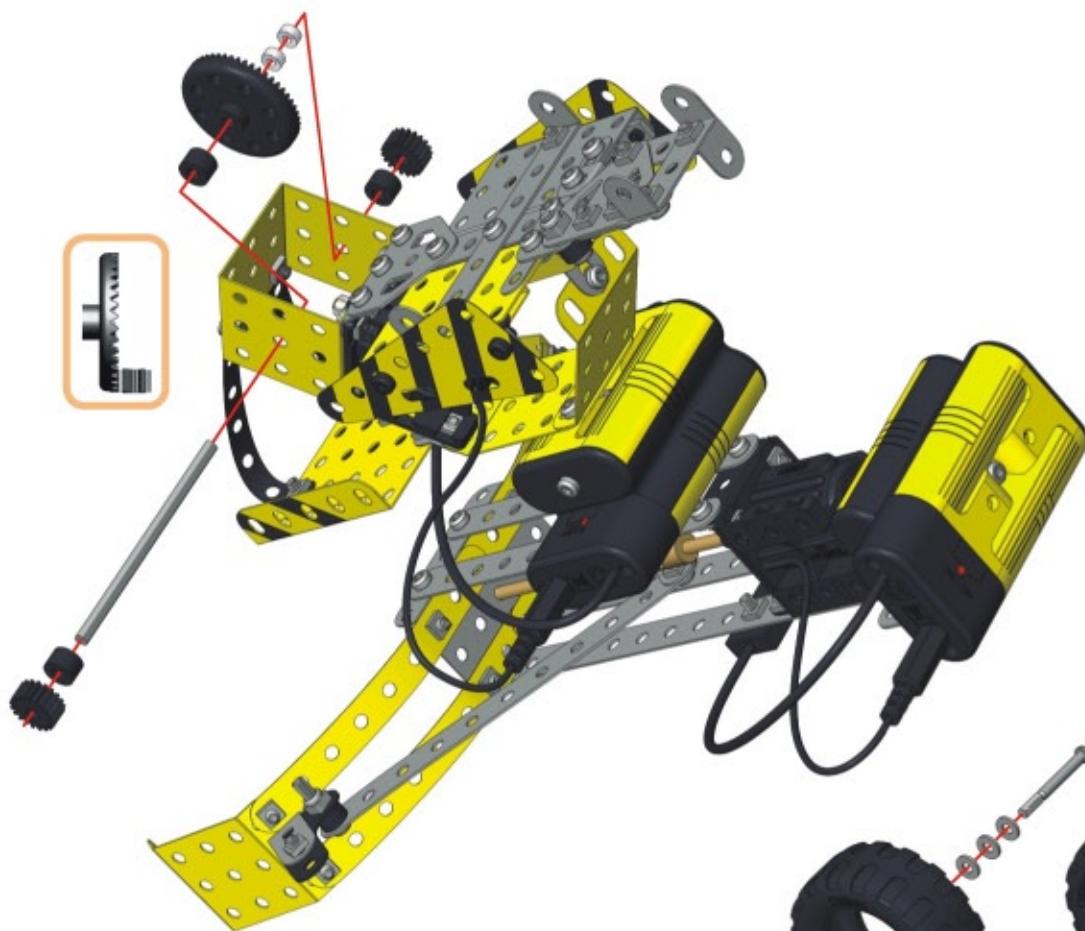


**16**

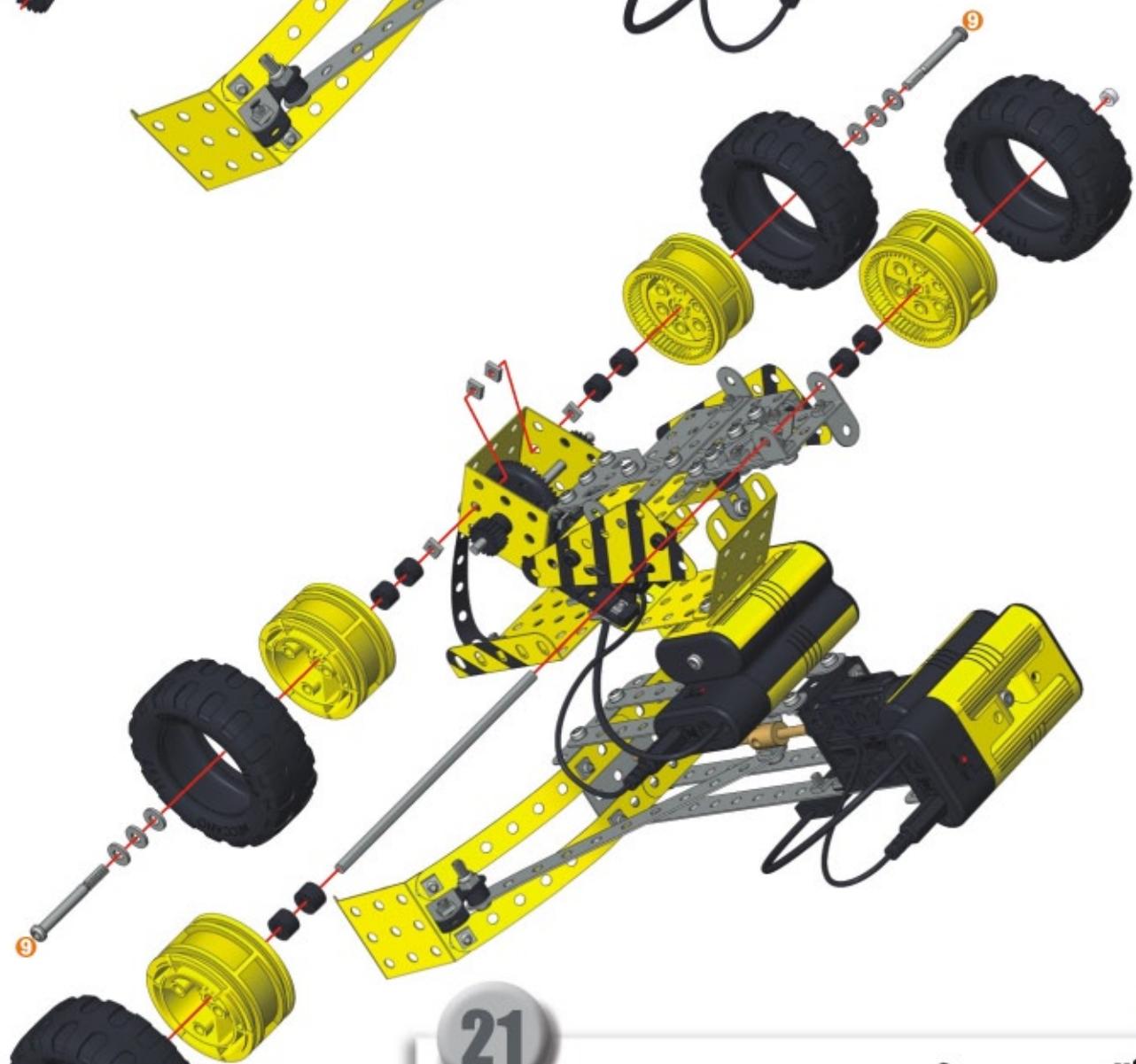
x1	Yellow motor
x1	Grey plate
x2	5.8 mm 15/64" Nut



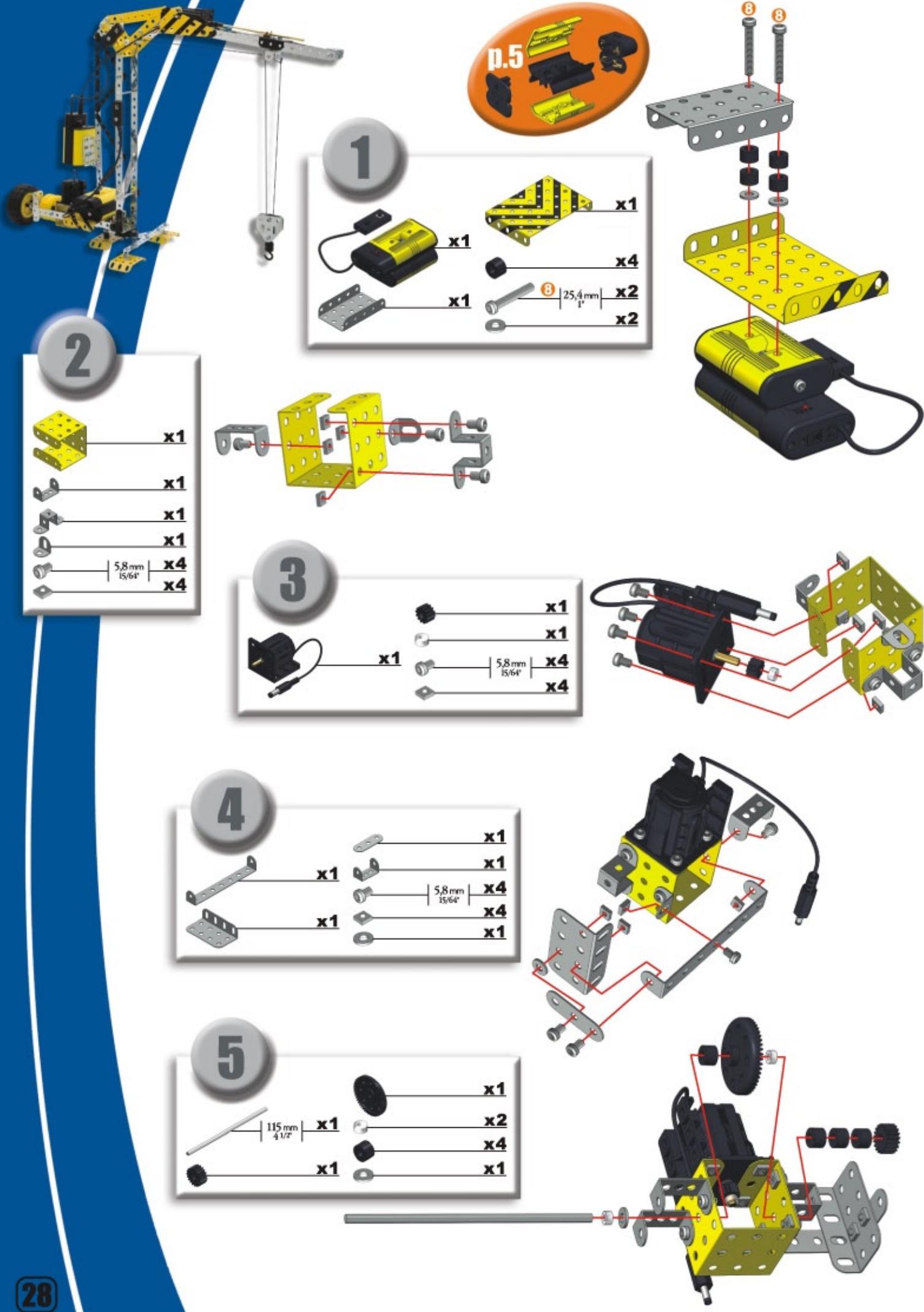
**17****(15 + 16 +****18****(9 + 17 +****19**

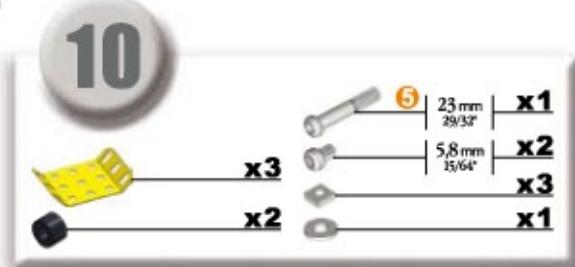
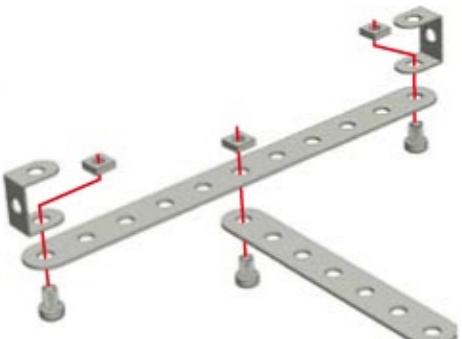
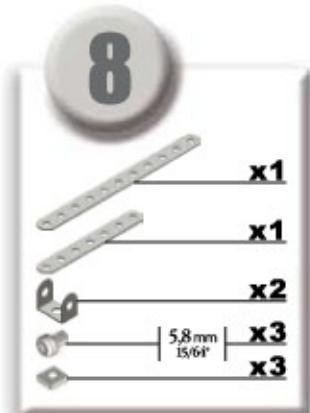
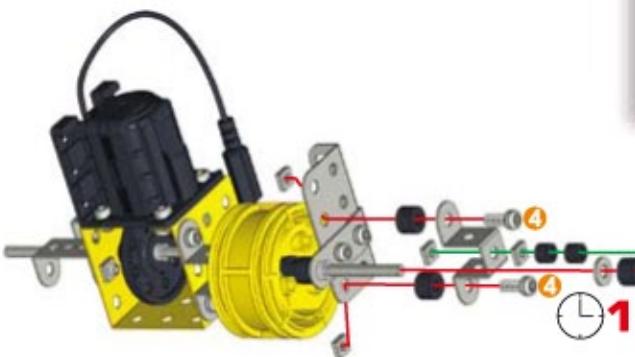
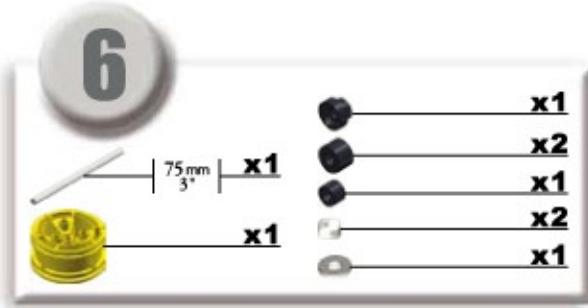
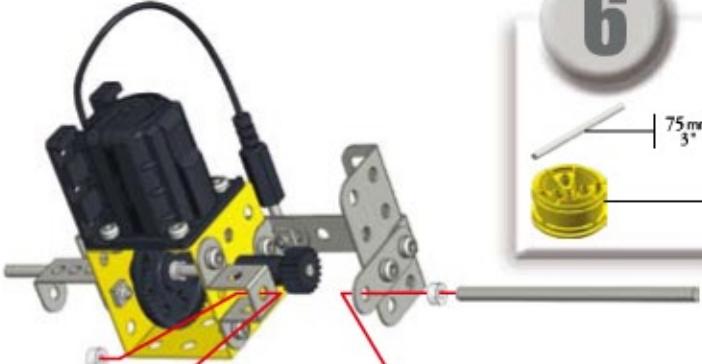
**20**

	75 mm 3"	x1
		x1
		x2
		x3
		x2

**21**

	115 mm 4 1/2"	x1
	x4	x8
	x2	x2
	x4	x4
	9   38,1 mm 1 1/2"	x6





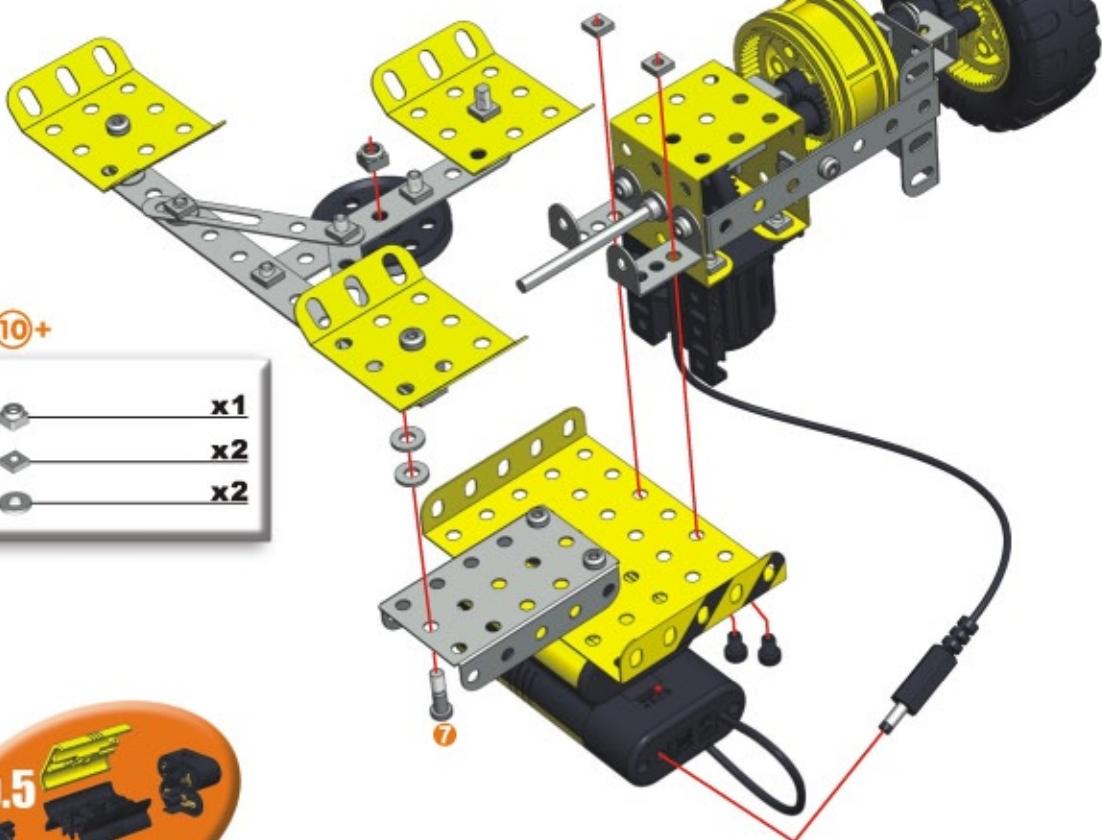
**11**

①+⑦+⑩+

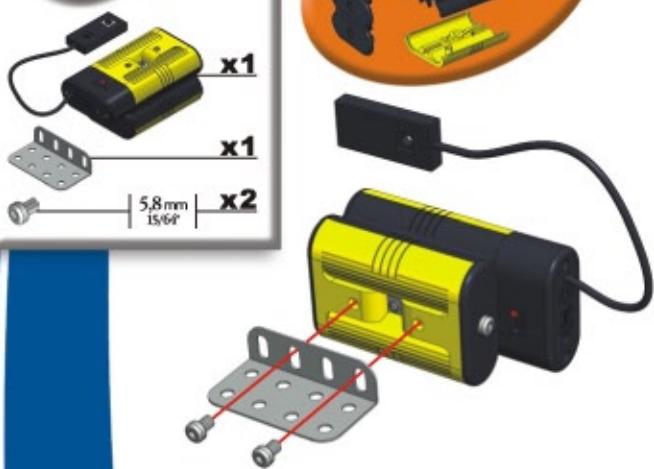
	14,7 mm 37/64"	x1
	5,8 mm 15/64"	x2

	x1
	x2

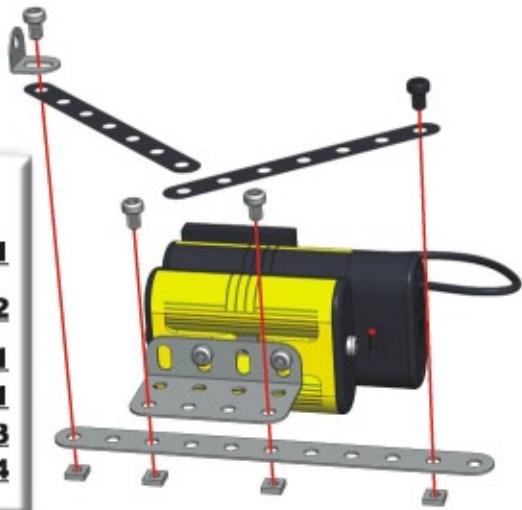
	x2
--	----

**12**

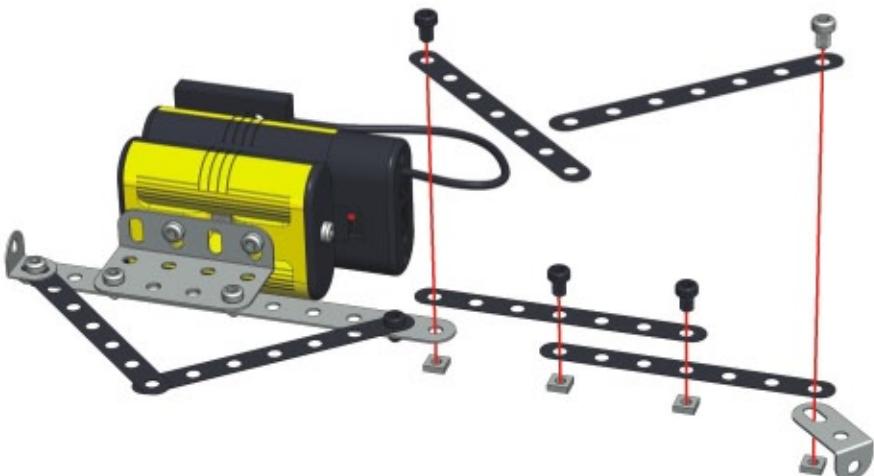
p.5

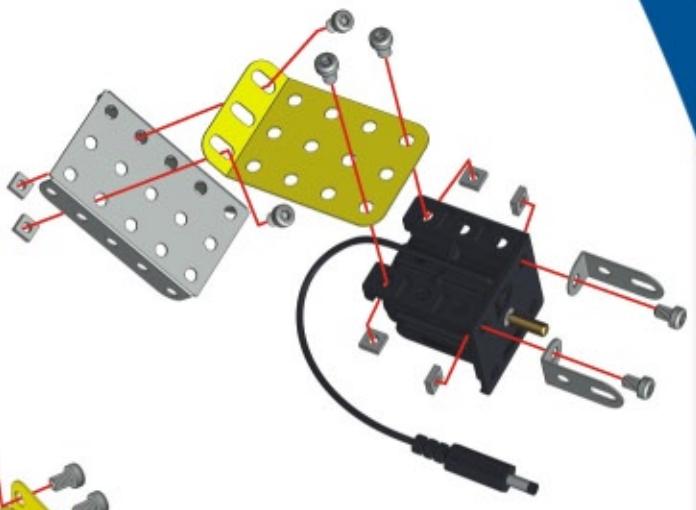
**13**

	x1
	x2
	x1
	x1
	x3
	x4

**14**

	x4
	x1
	x3
	x1
	x4

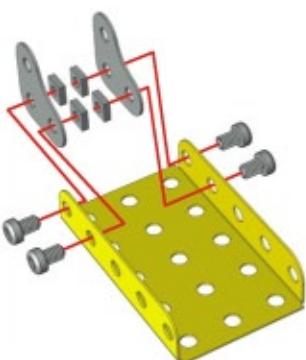
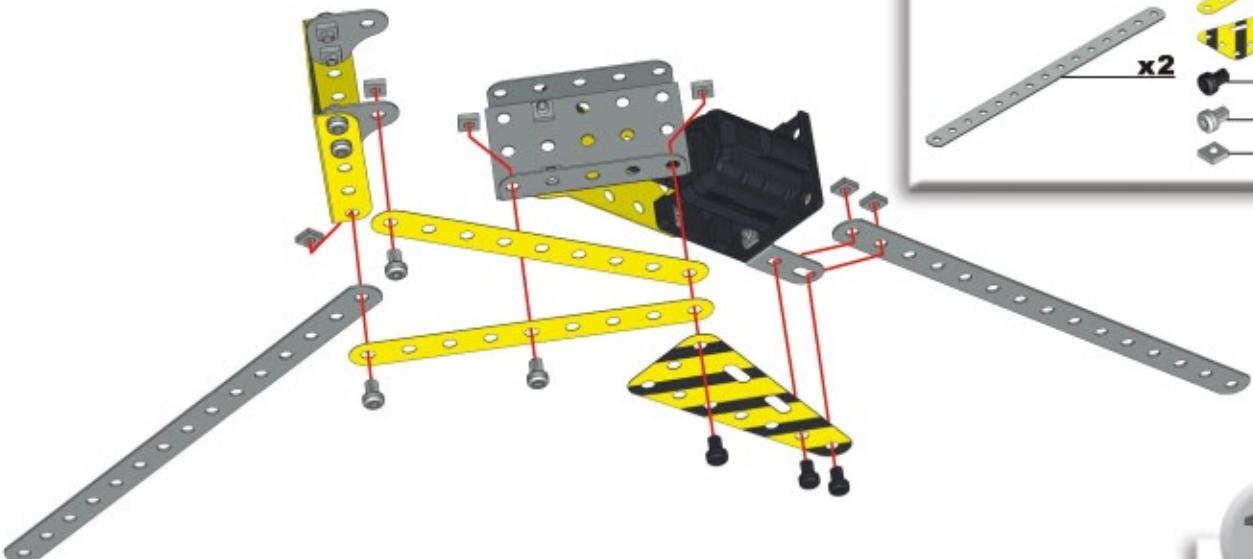


**15**

	x1
	x1
	x1
	x2
	x6
	x6

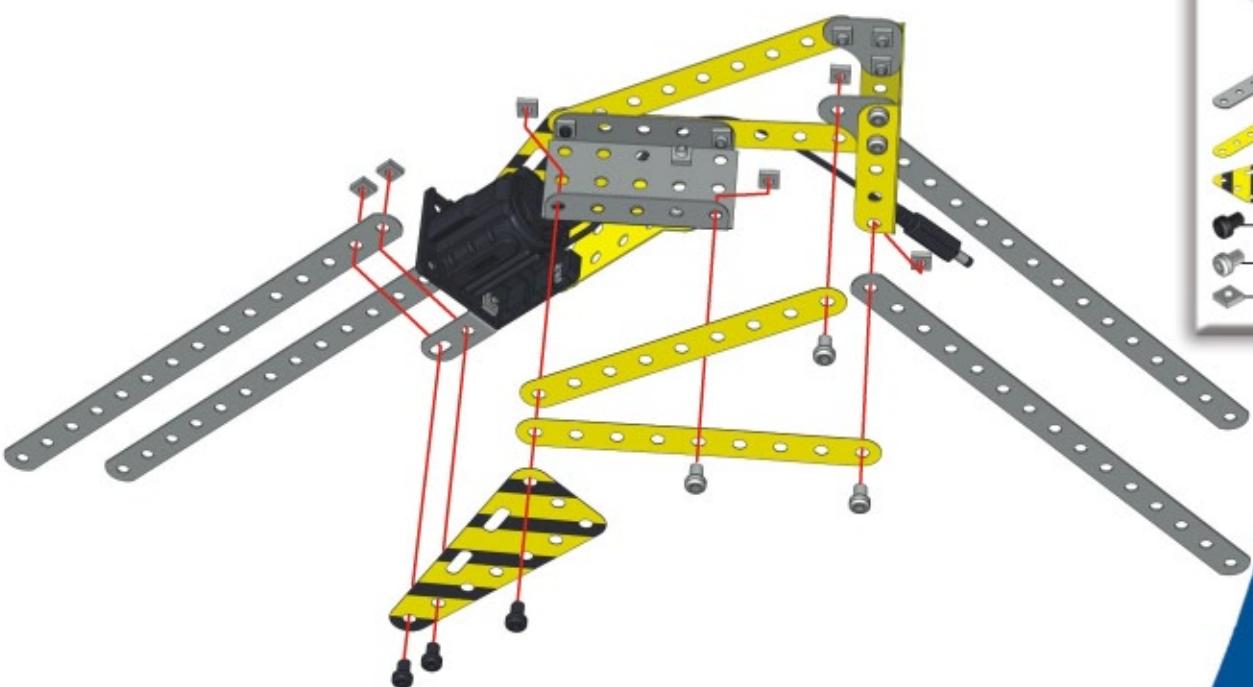
**16**

	x1
	x2
	x4
	x4

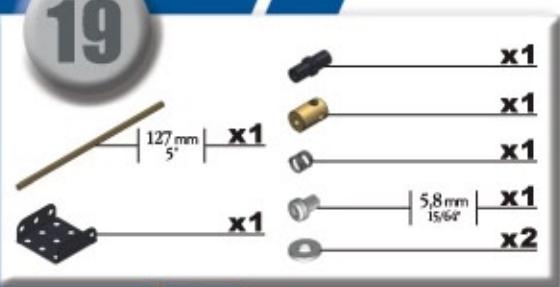
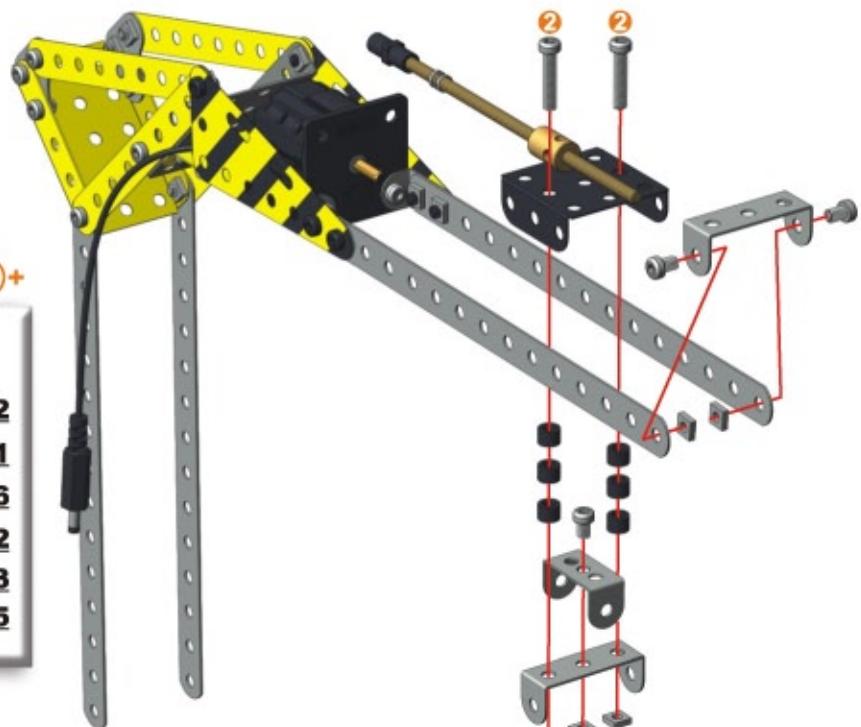
**17**

(15+16)+

	x2
	x1
	x3
	x3
	x6

**18**

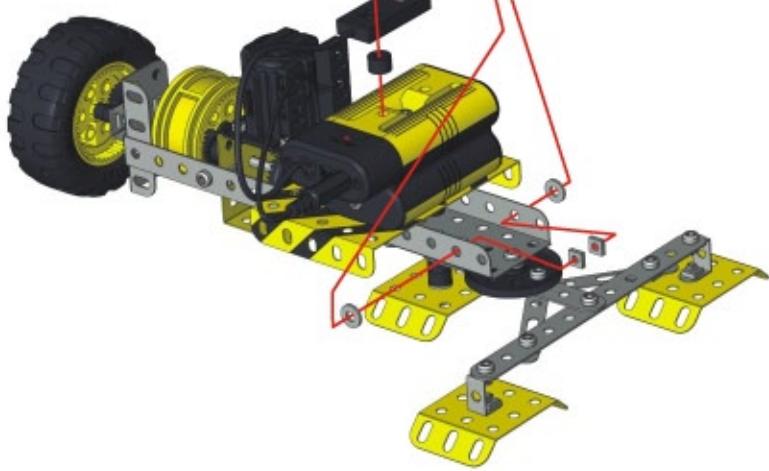
	x2
	x1
	x3
	x3
	x6

**19****20****21**

**22**

(14+21+)

●	x2
●	x2
②   19 mm 3/4"	x2
●   5,8 mm 15/64"	x1
◆	x3

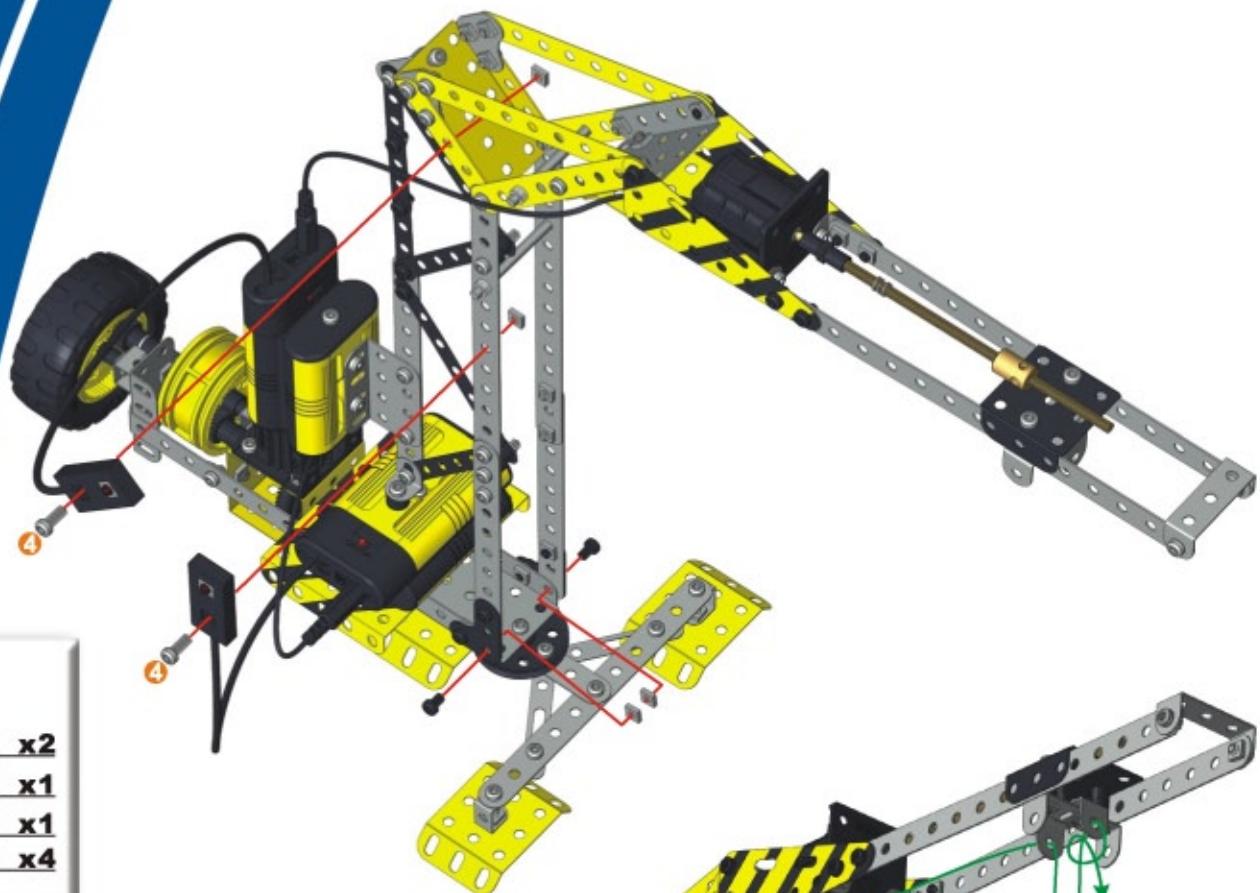
**23**

(11+22+)

●	x1
③   12 mm 1/2"	x1
●   5,8 mm 15/64"	x2
◆	x2
○	x2

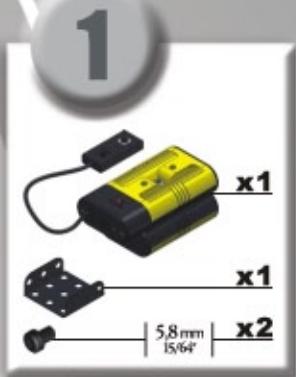
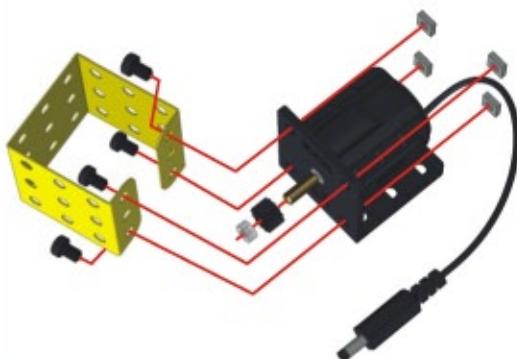
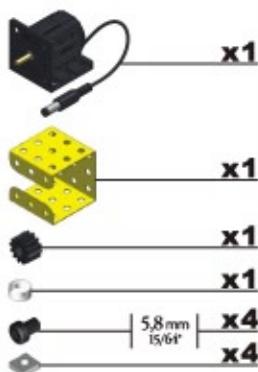
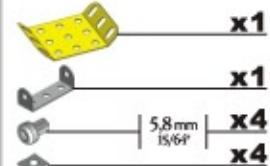
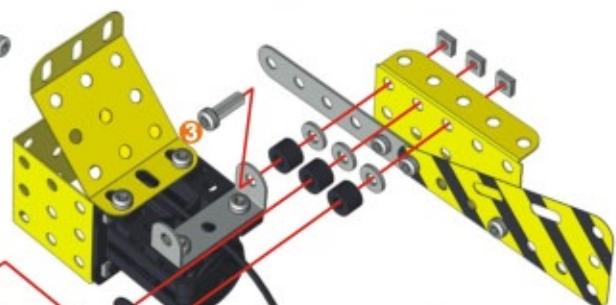
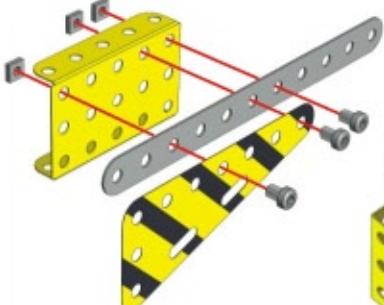
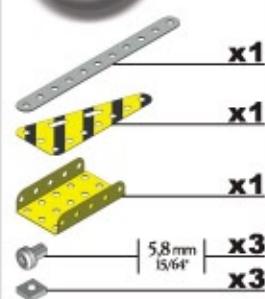
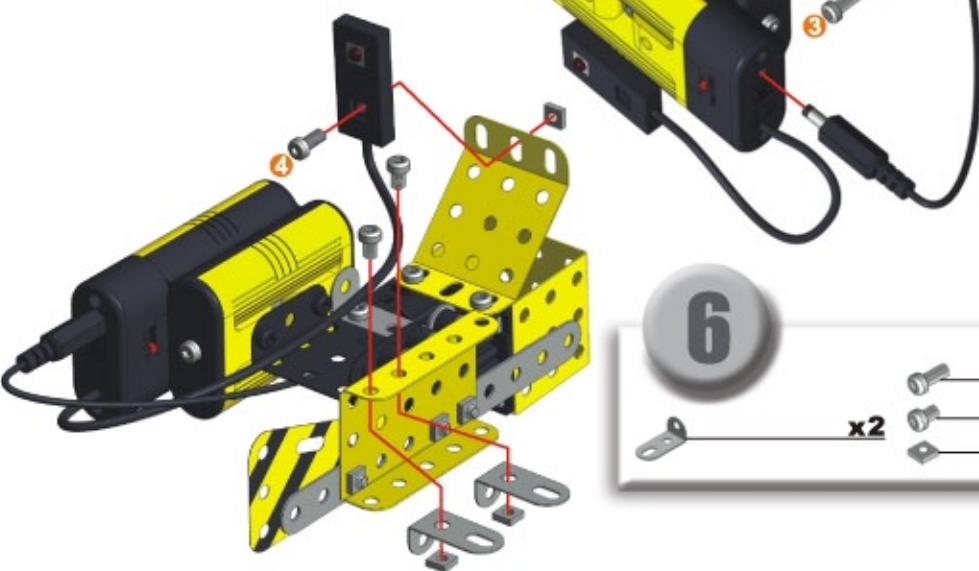
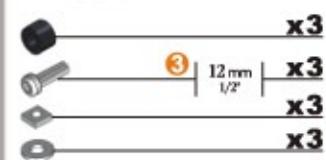
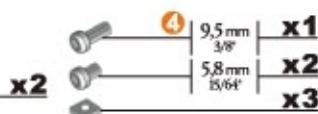
**24**

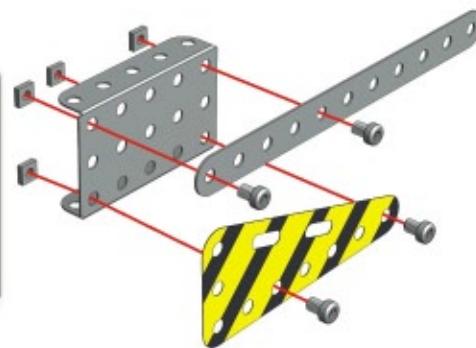
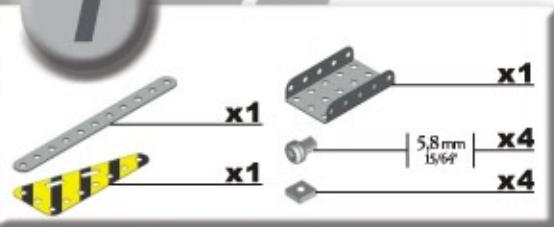
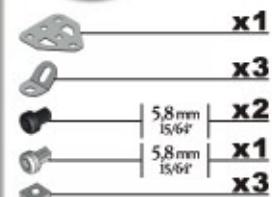
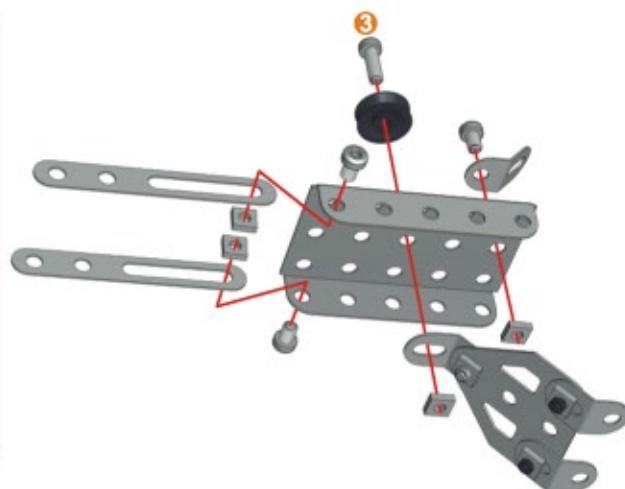
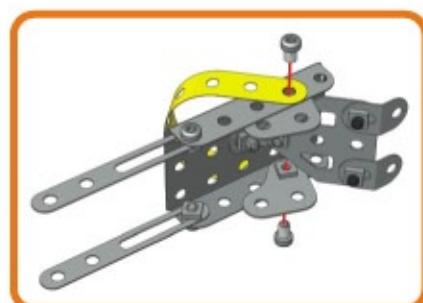
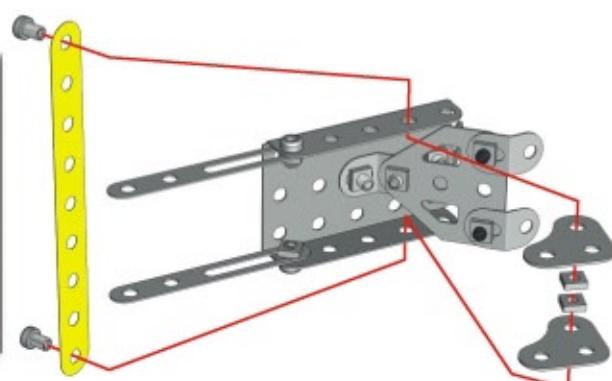
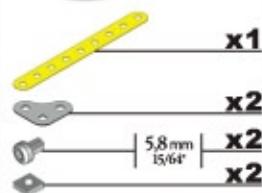
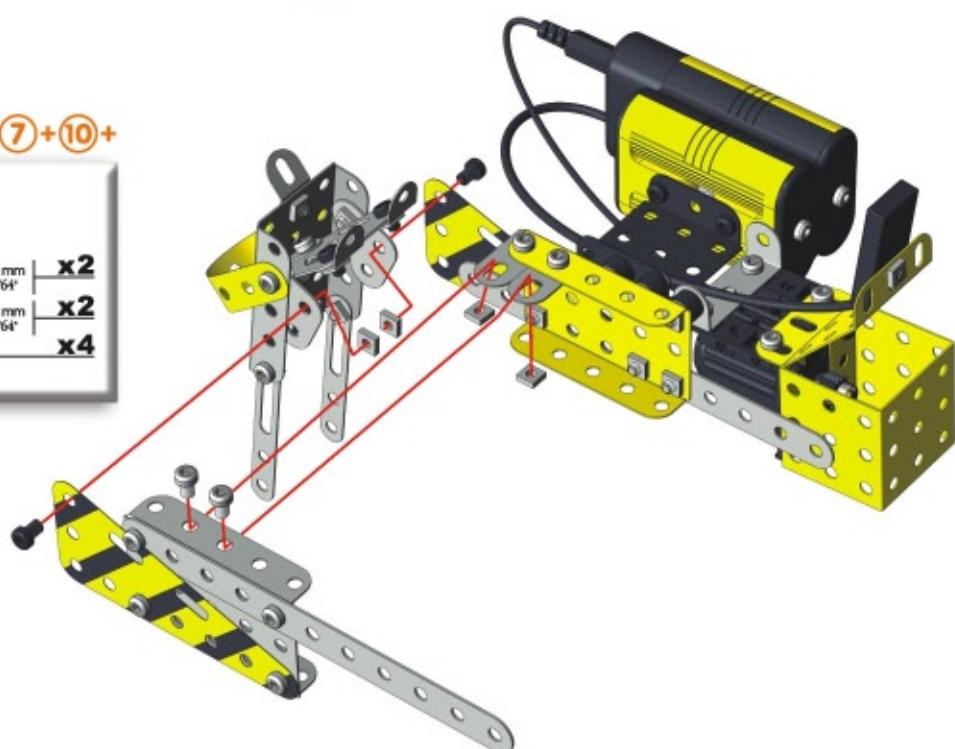
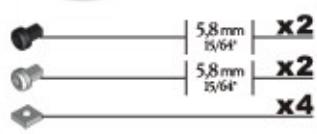
	4	9,5 mm 3/8"	x2
		5,8 mm 15/64"	x1
		5,8 mm 15/64"	x1
			x4

**25**

	x2
	60 mm 2 1/2"
	x1
	x1
	x1
	x1
	x3
	14,7 mm 57/64"
	x2
	x2



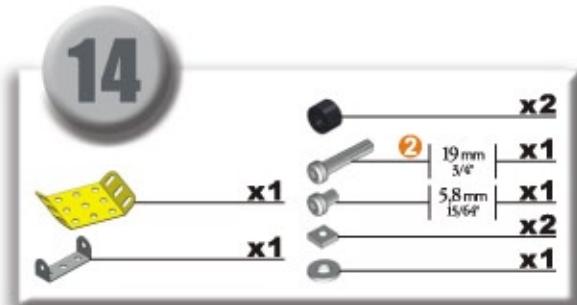
**2****3****4****5****1 + 3 + 4 +****6**

**7****8****9****10****11****(6)+(7)+(10)+**



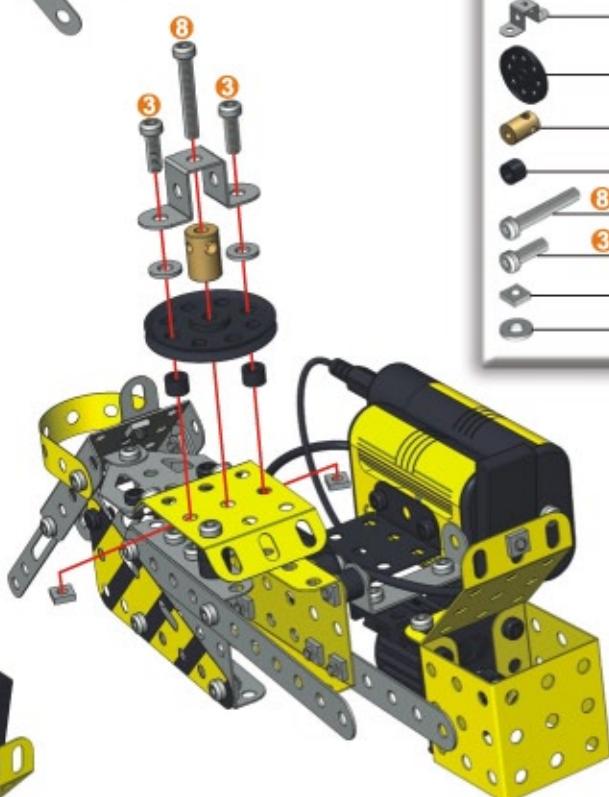
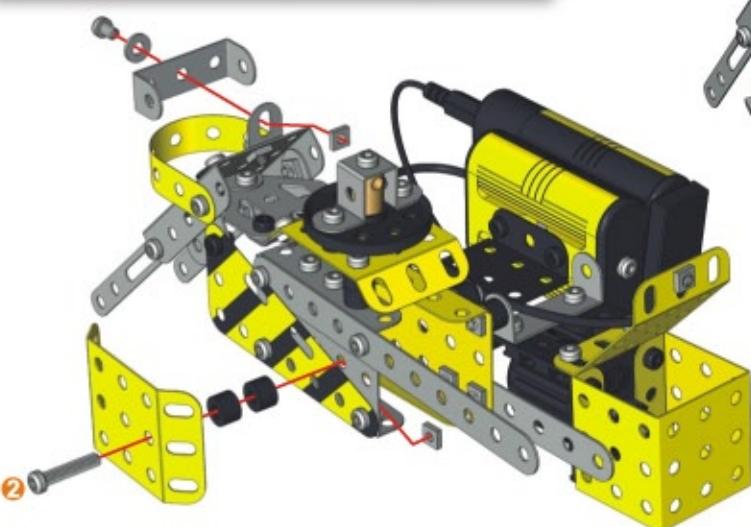
12

x1	
x2	
② 19 mm 3/4"	x1
5.8 mm 15/64"	x2
	x3



14

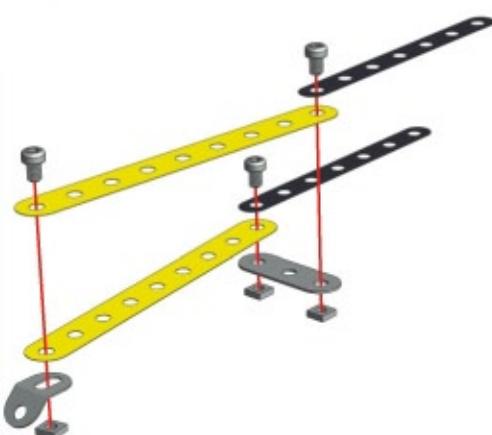
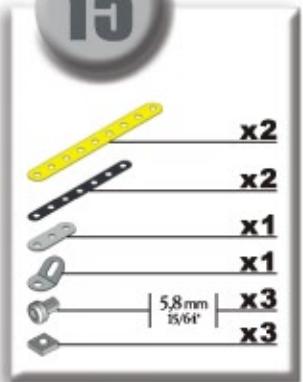
x2	
x1	
② 19 mm 3/4"	x1
5.8 mm 15/64"	x2
	x1

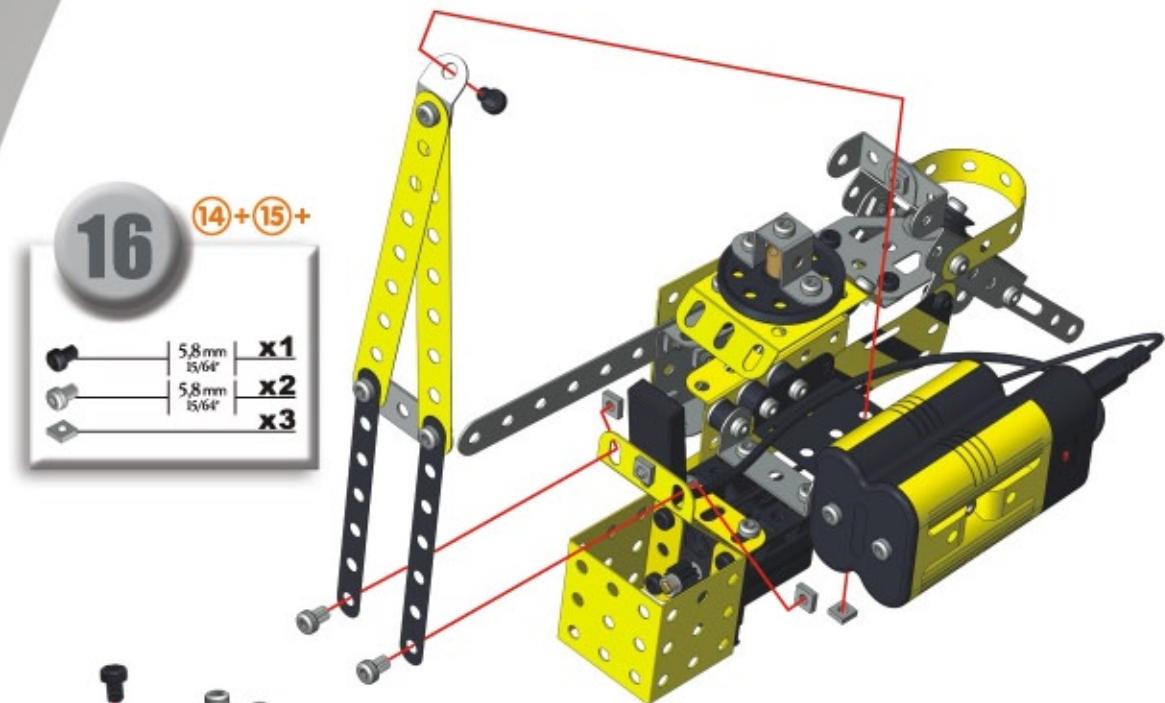
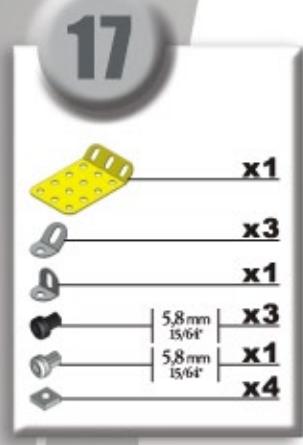


13

x1	
x1	
x1	
x2	
⑧ 25,4 mm 1"	x1
③ 12 mm 1/2"	x2
	x2
	x2

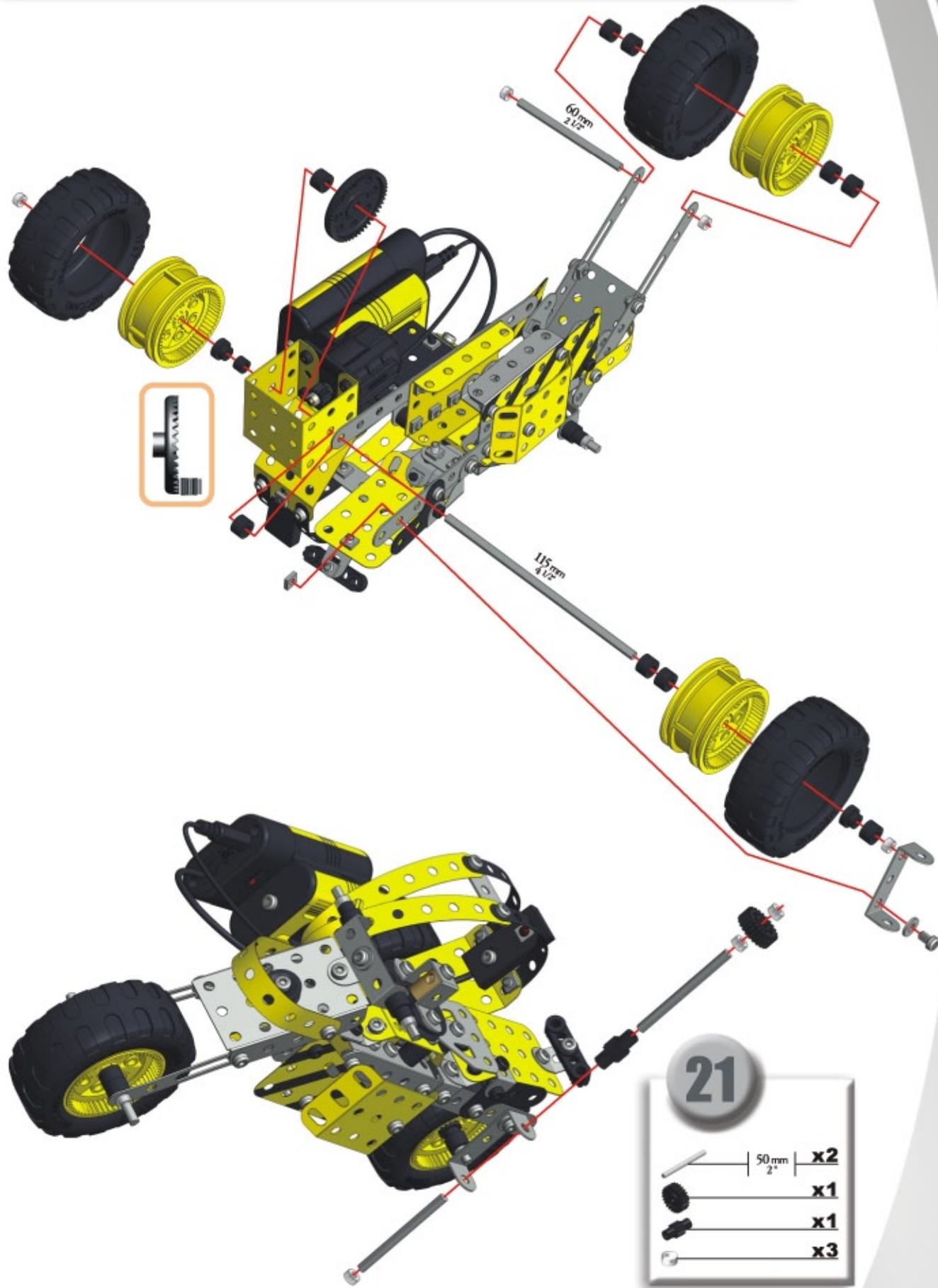
15



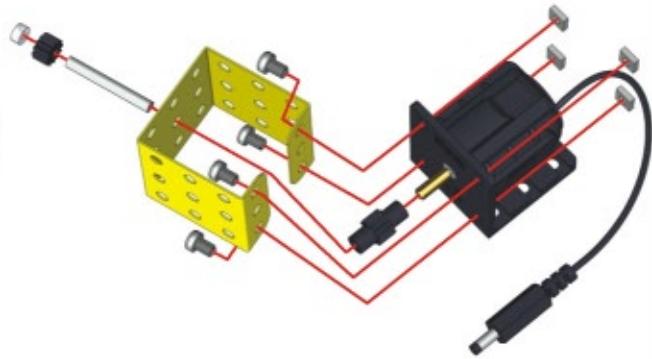


**20**

	x1		x3		x1		x1
	x1		x3		x2		x4
					x9		5.8 mm 15/64"
					x1		x1
					x1		x1

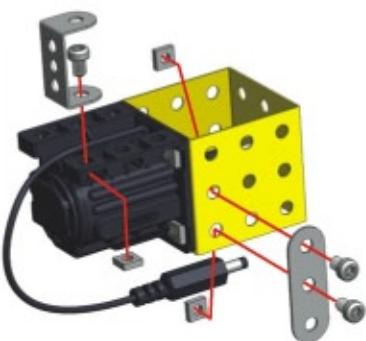
**21**

	x2
	x1
	x1
	x3



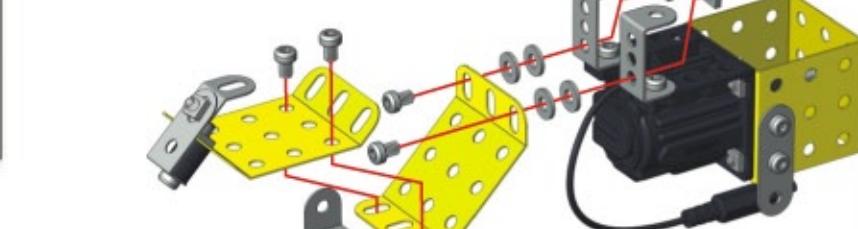
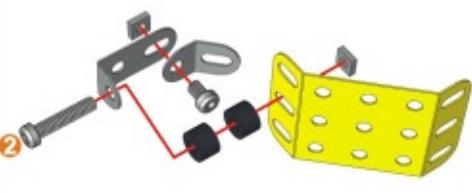
**2**

- x1
- x1
- | 5,8 mm | x3  
| 15/64" |
- | 5,8 mm | x3  
| 15/64" |



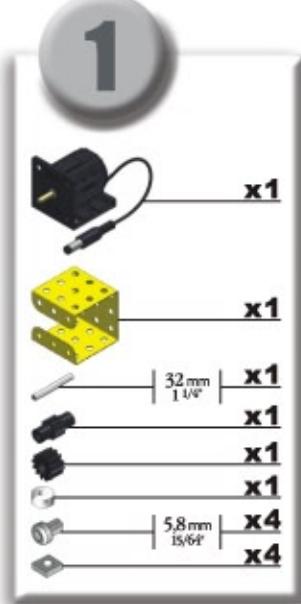
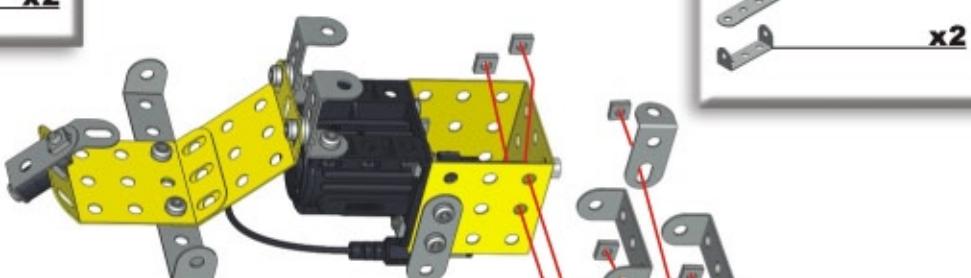
**4**

- x1
- x1
- x1
- x2
- | 19 mm | x1  
| 3/8" |
- | 5,8 mm | x1  
| 15/64" |
- | 5,8 mm | x2  
| 15/64" |



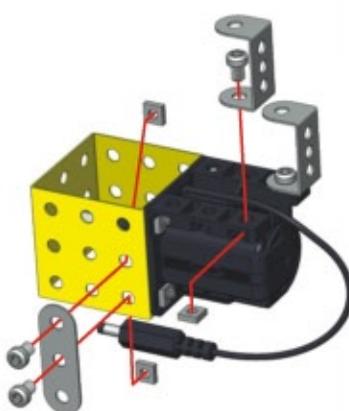
**6**

- x1
- x1
- x1
- x2
- | 5,8 mm | x2  
| 15/64" |
- | 5,8 mm | x2  
| 15/64" |

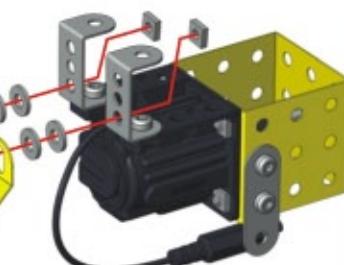
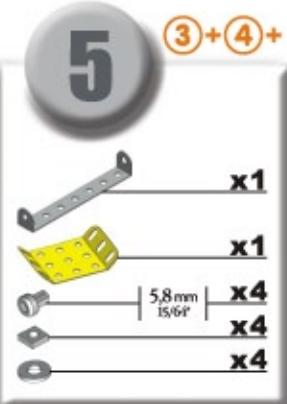


**3**

- x1
- x1
- | 5,8 mm | x3  
| 15/64" |
- | 5,8 mm | x3  
| 15/64" |

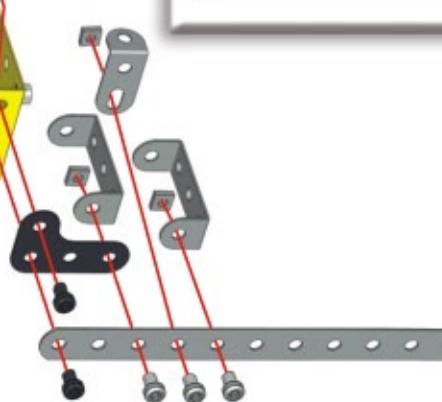
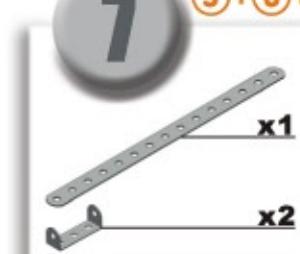


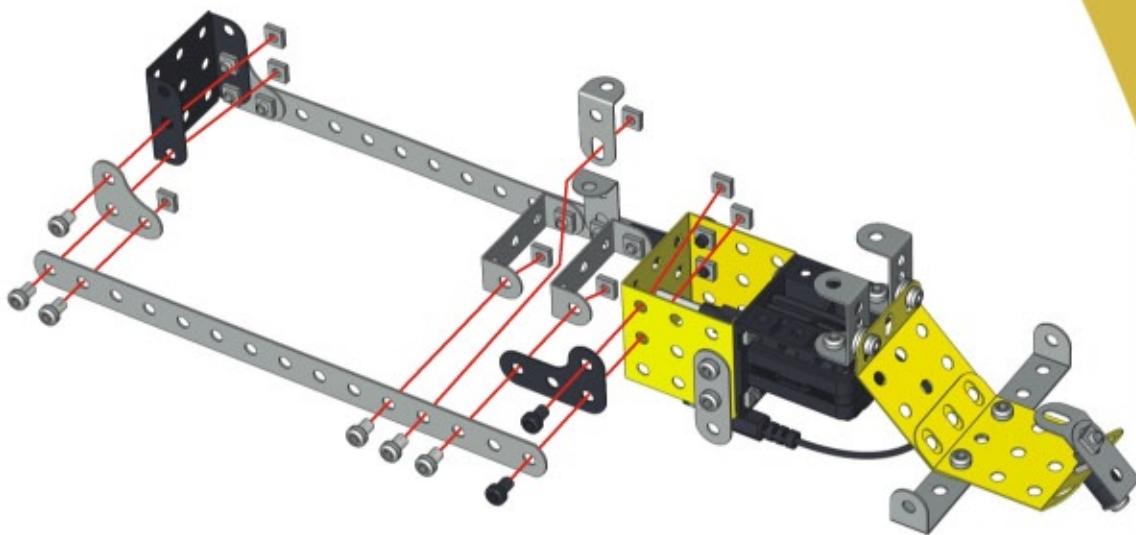
**5**



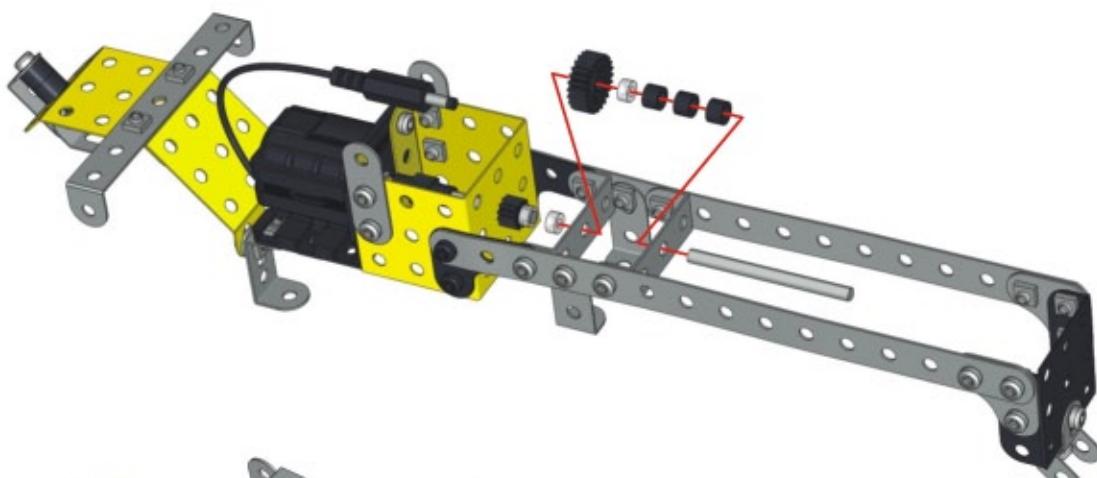
**7**

- (5+6)+**
- |                             |    |
|-----------------------------|----|
| —                           | x1 |
| —                           | x1 |
| —                           | x1 |
| —   5,8 mm   x2<br>  15/64" | x2 |
| —   5,8 mm   x6<br>  15/64" | x6 |
| —                           | x8 |

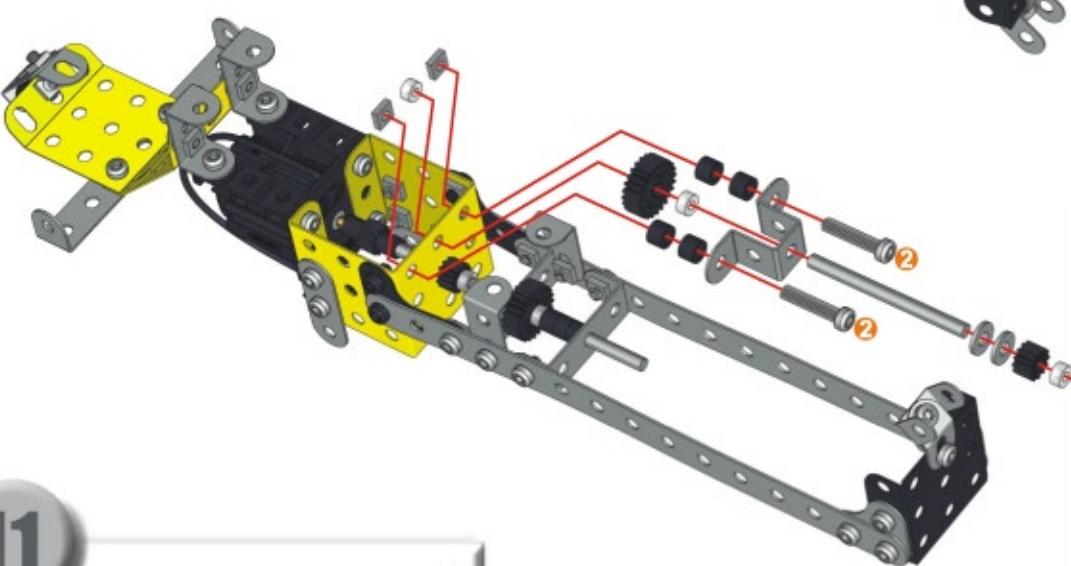


**8**

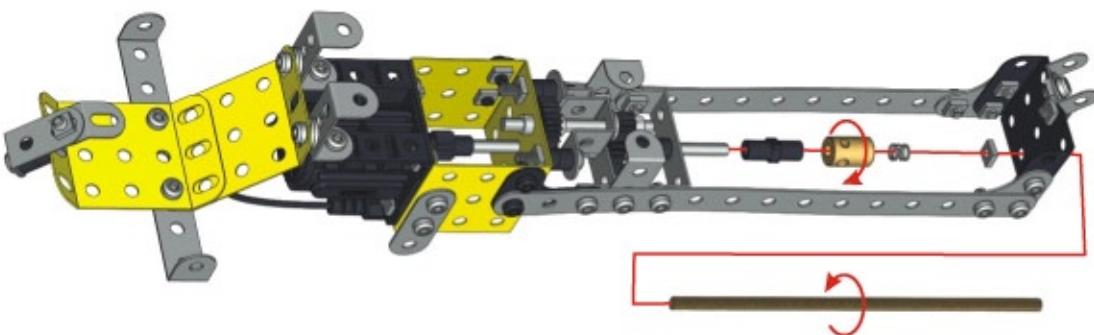
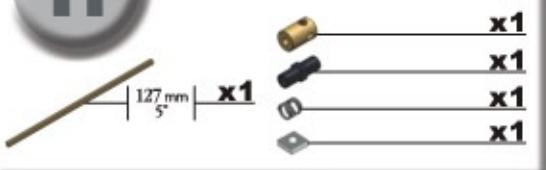
long grey beam	x1
black L-shaped bracket	x1
black U-shaped bracket	x1
black screw 5.8 mm   5/64"	x2
black screw 5.8 mm   5/64"	x6
black hex nut	x8

**9**

50mm   2"	x1
black gear	x3
black hex nut	x2

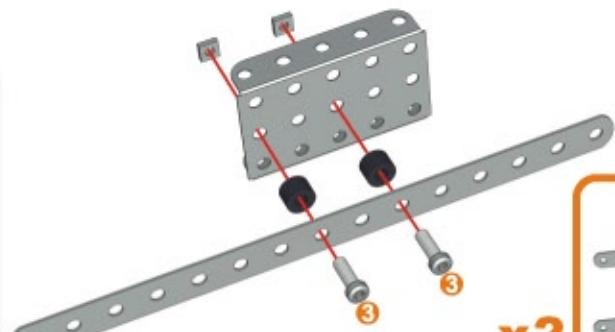
**10**

50mm   2"	x1
black gear	x1
black hex nut	x4
black screw	x3
black screw 19 mm   3/4"	x2
black hex nut	x2

**11**

**12**

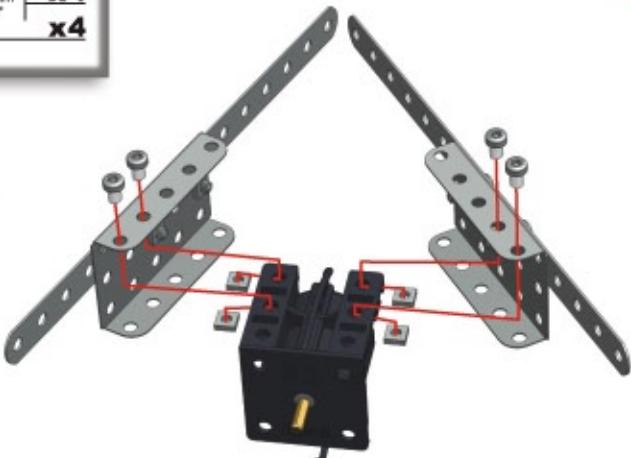
	x2
	x2
	x4
③	12 mm 1/2"
	x4
	x4



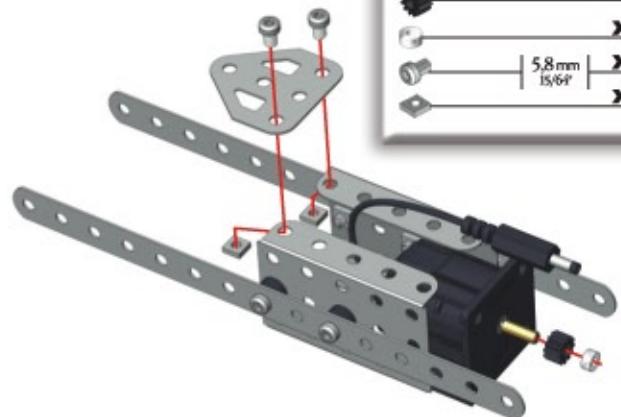
x2

**13**

	x1
	x4
	x4

**14****14**

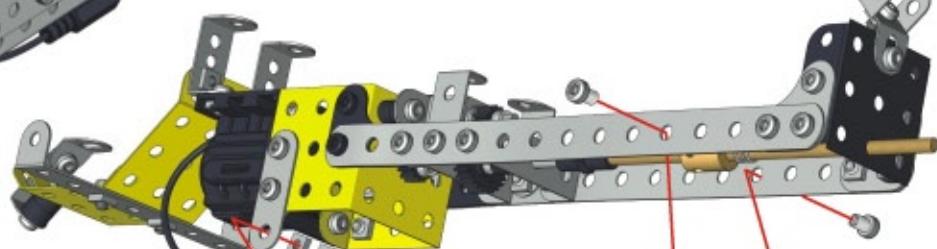
	x1
	x1
	x2
	5.8 mm 5/64"
	x2



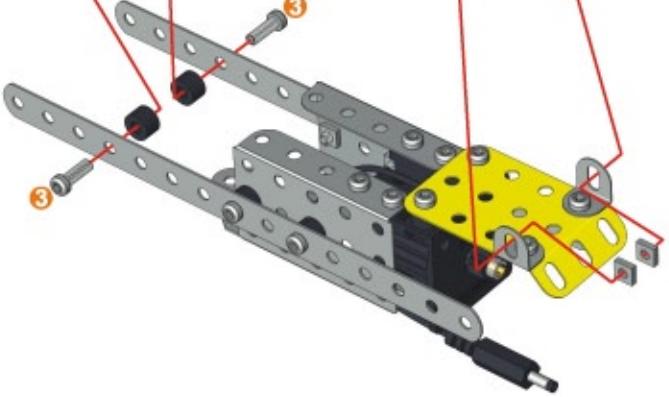
	x1
	x2
	x2
③	12 mm 1/2"
	x2
	x2
	5.8 mm 5/64"
	x4

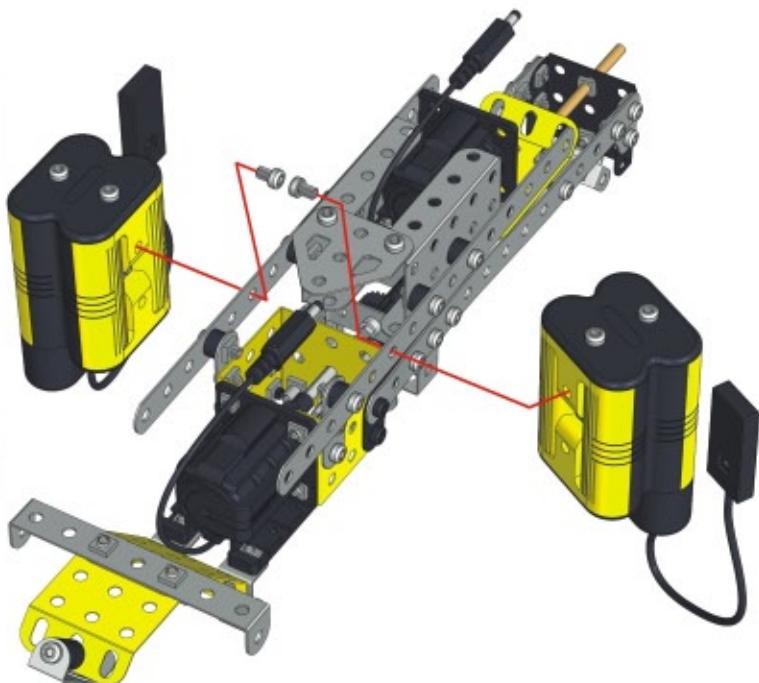
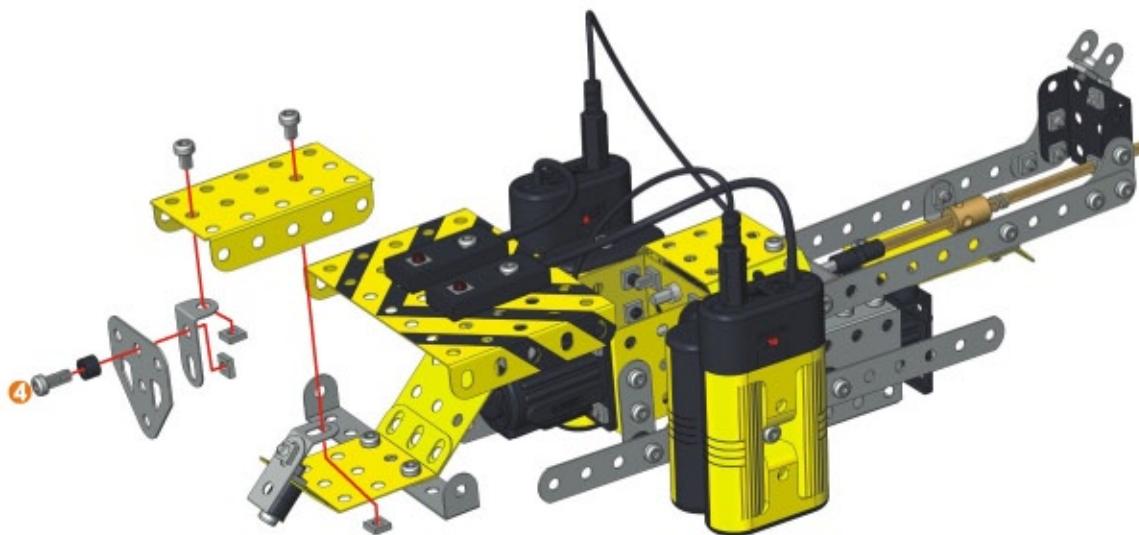
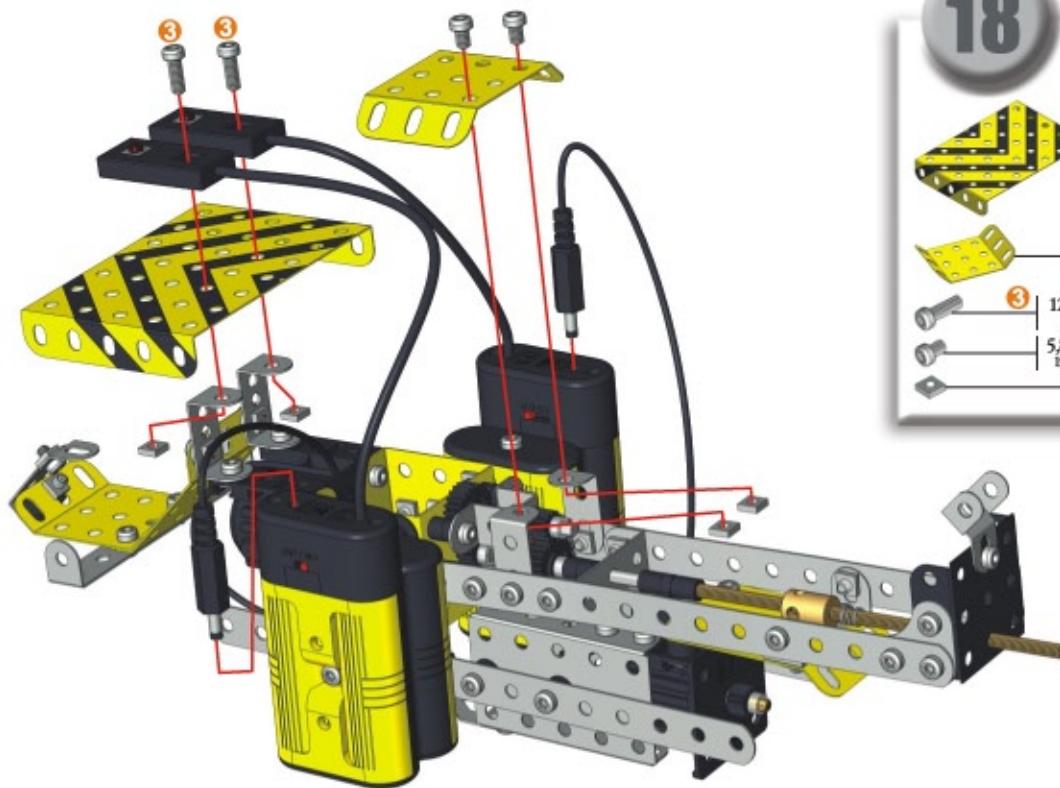
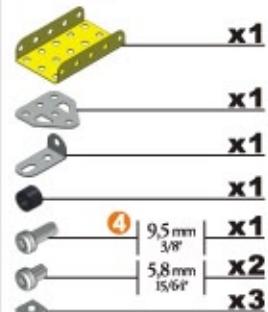
**15**

	x2
	x2
	x2
③	12 mm 1/2"
	x2
	x2
	5.8 mm 5/64"
	x4

**16**

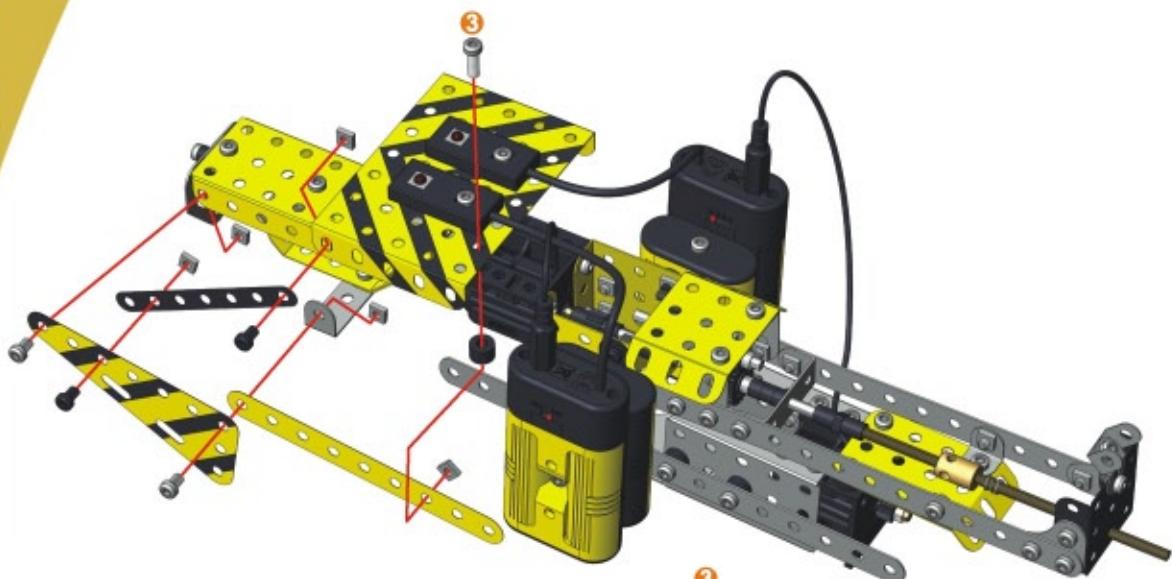
	x2
	x2
	x2
③	12 mm 1/2"
	x2
	x2
	5.8 mm 5/64"
	x4



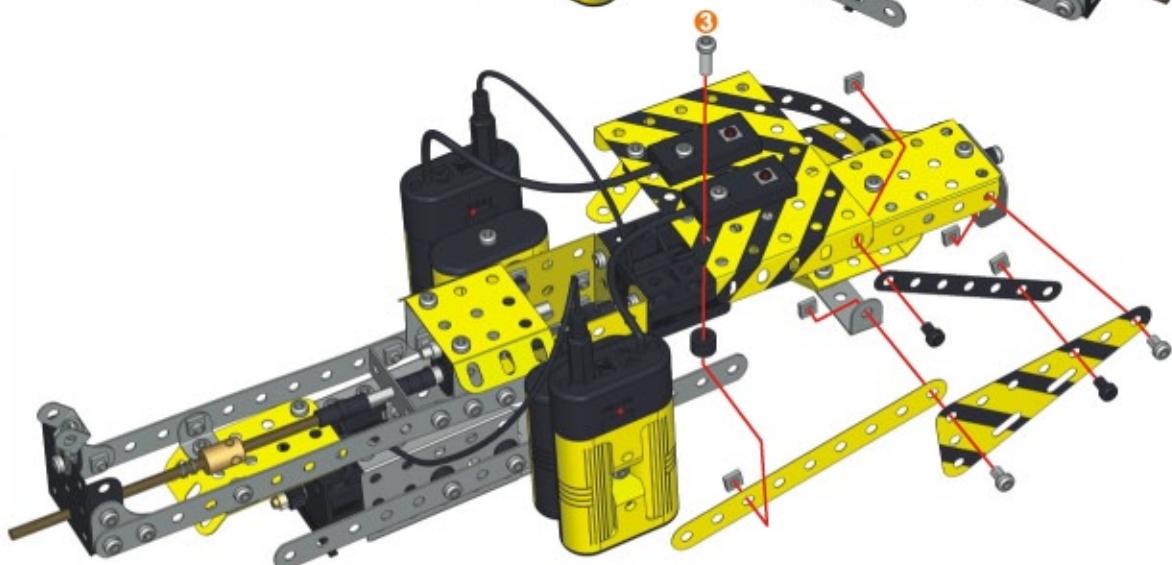
**17****18****19**

**20**

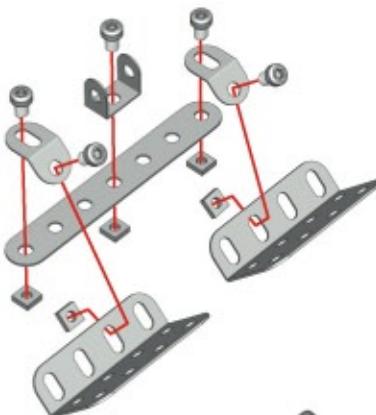
	x1
12 mm 1/2"	
5,8 mm 15/64"	x2
5,8 mm 15/64"	x2
	x5

**21**

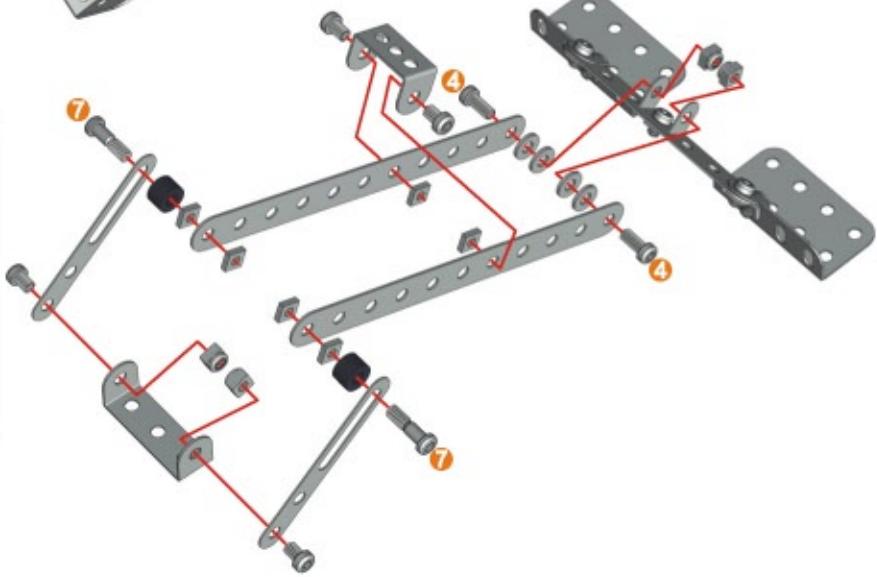
	x1
12 mm 1/2"	
5,8 mm 15/64"	x2
5,8 mm 15/64"	x2
	x5

**22**

	x2
	x2
	x1
5,8 mm 15/64"	x5
	x5

**23**

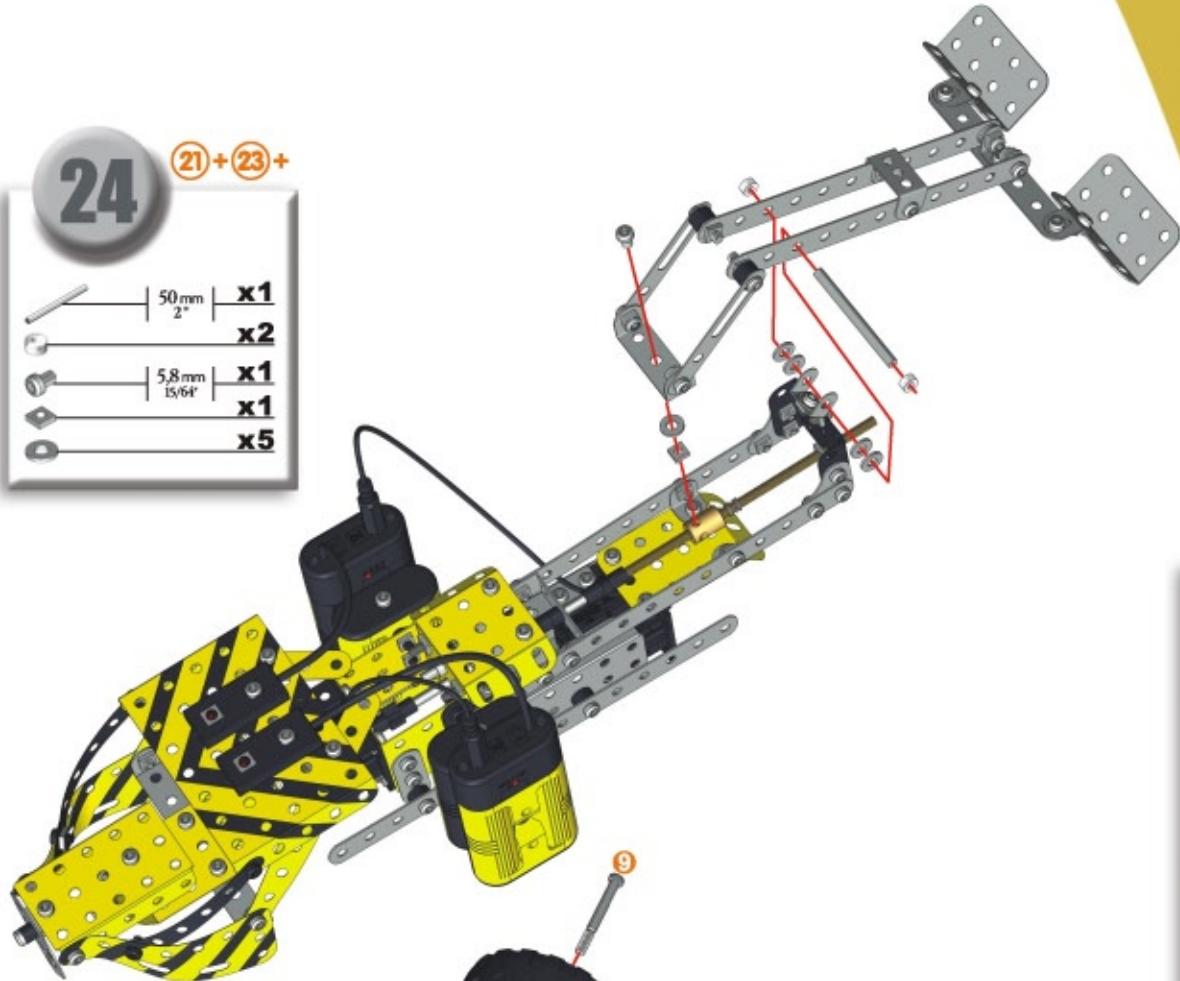
	x2
	x2
	x2
14,7 mm 37/64"	x2
9,5 mm 3/8"	x2
5,8 mm 15/64"	x4
	x4
	x6
	x4



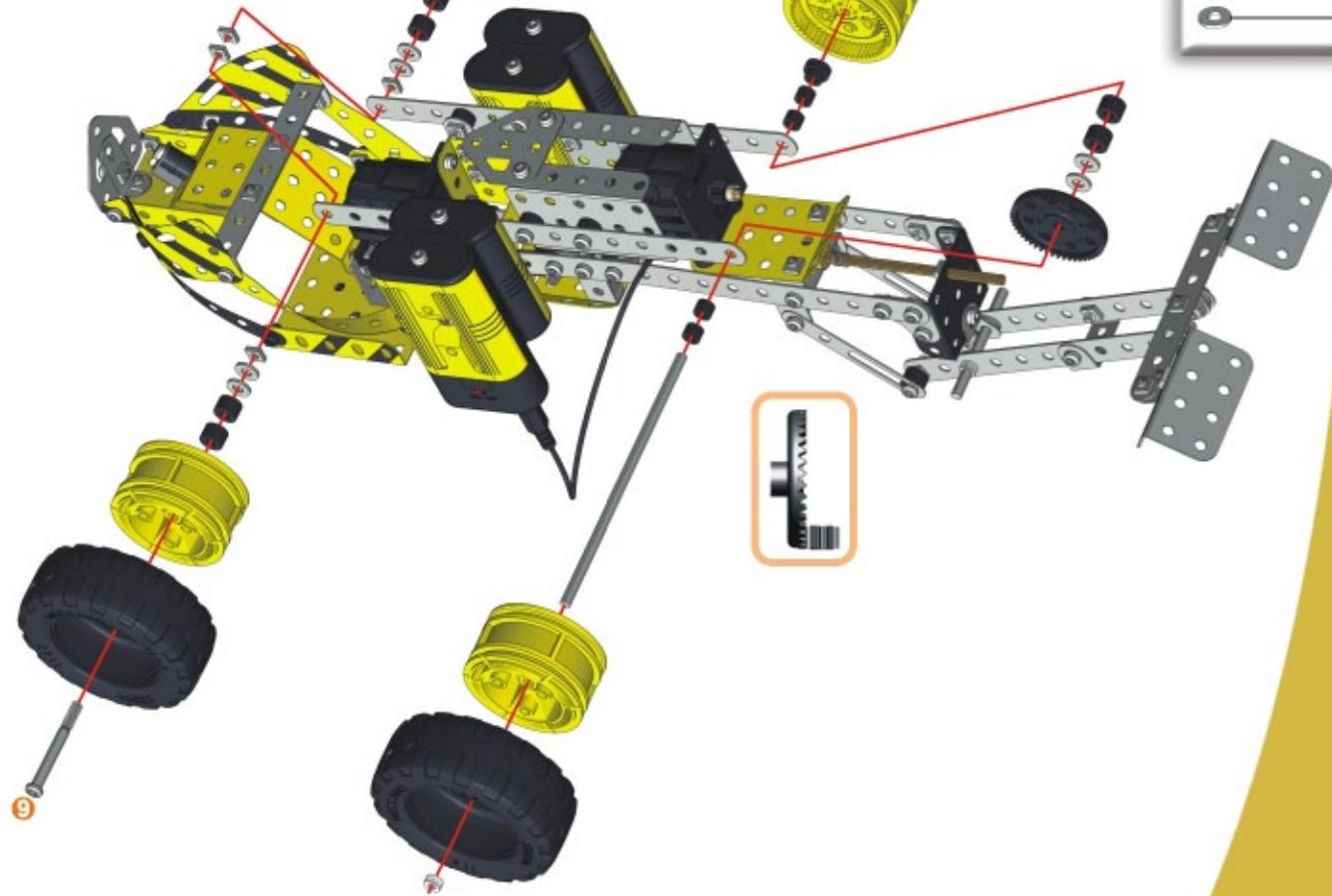
**24**

(21) + (23) +

→	50 mm 2"	x1
→	5.8 mm 19/64"	x2
◆	5.8 mm 19/64"	x1
◆	5.8 mm 19/64"	x5

**25**

→	115 mm 4 1/2"	x1
●	Tire	x4
●	Hub	x4
●	Shaft	x1
●	Shaft	x6
●	Shaft	x4
●	Shaft	x2
→	38.1 mm 1 1/2"	x2
◆	5.8 mm 19/64"	x4
◆	5.8 mm 19/64"	x6

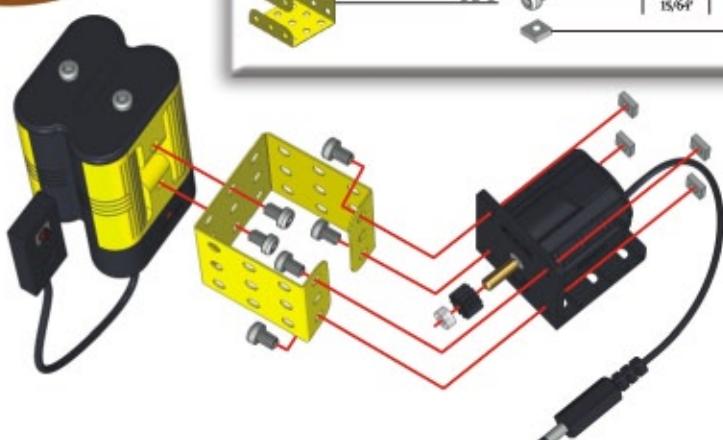




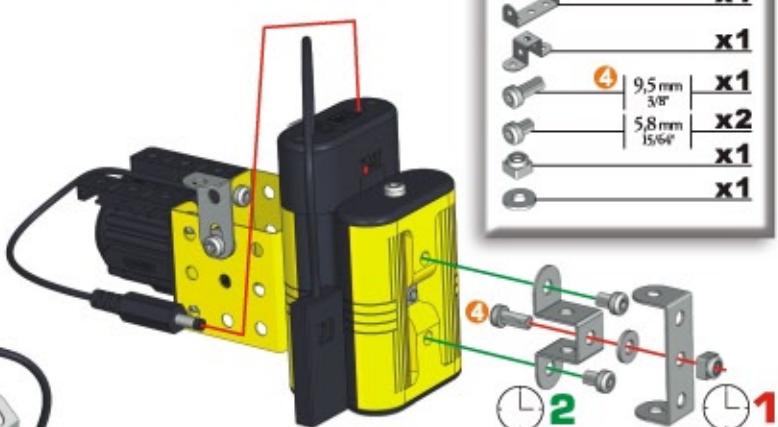
**1**



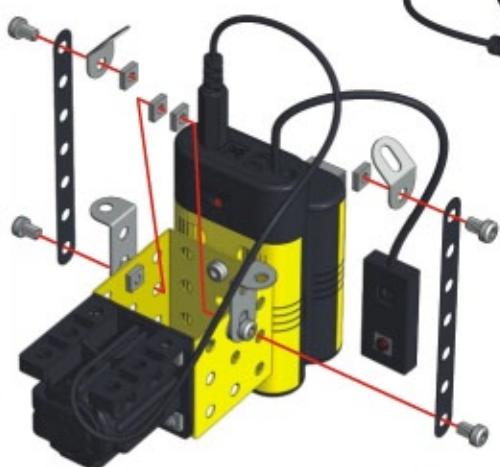
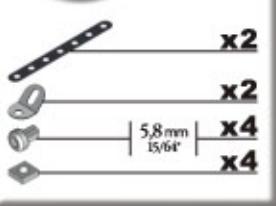
**2**



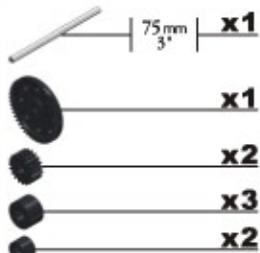
**3**

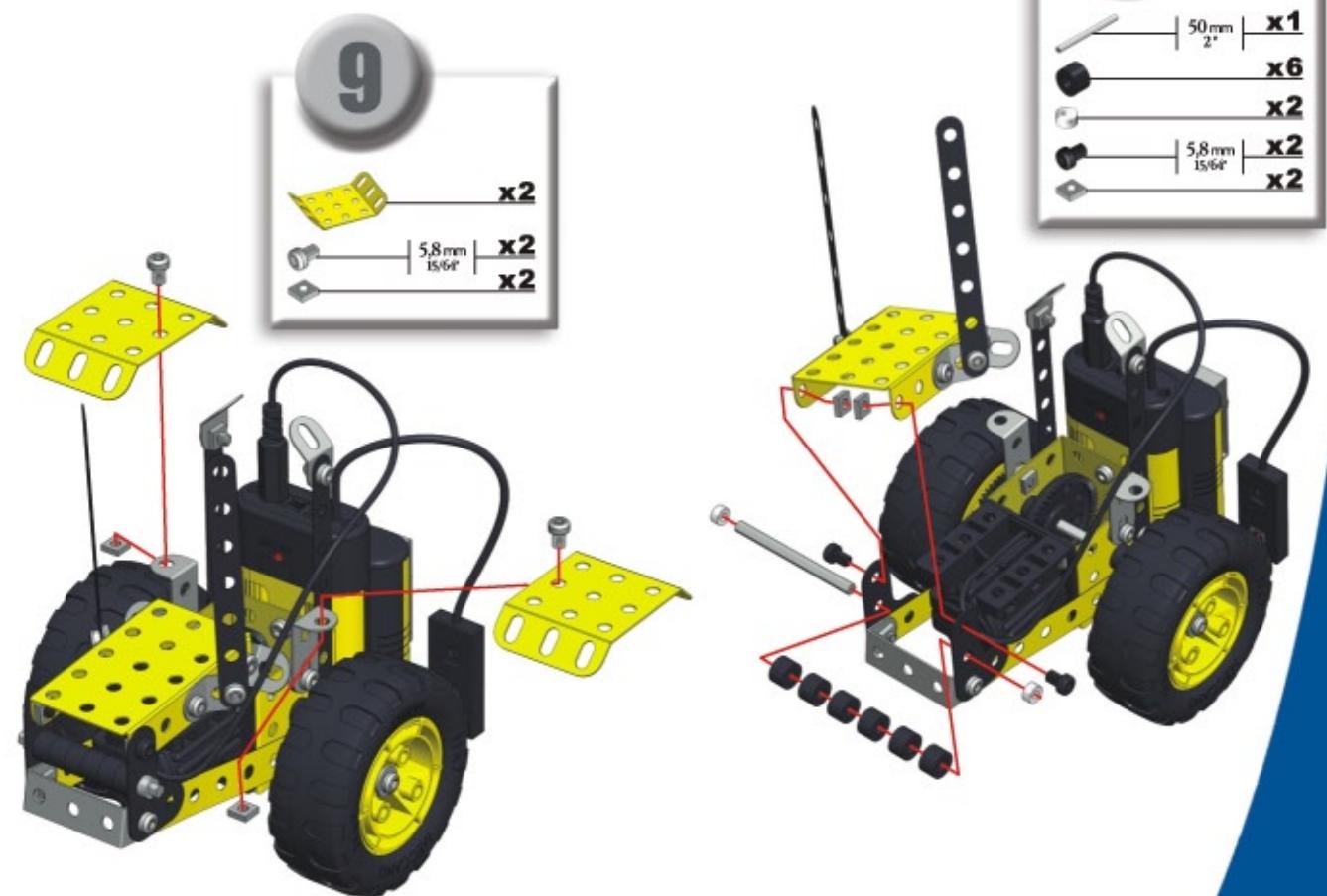
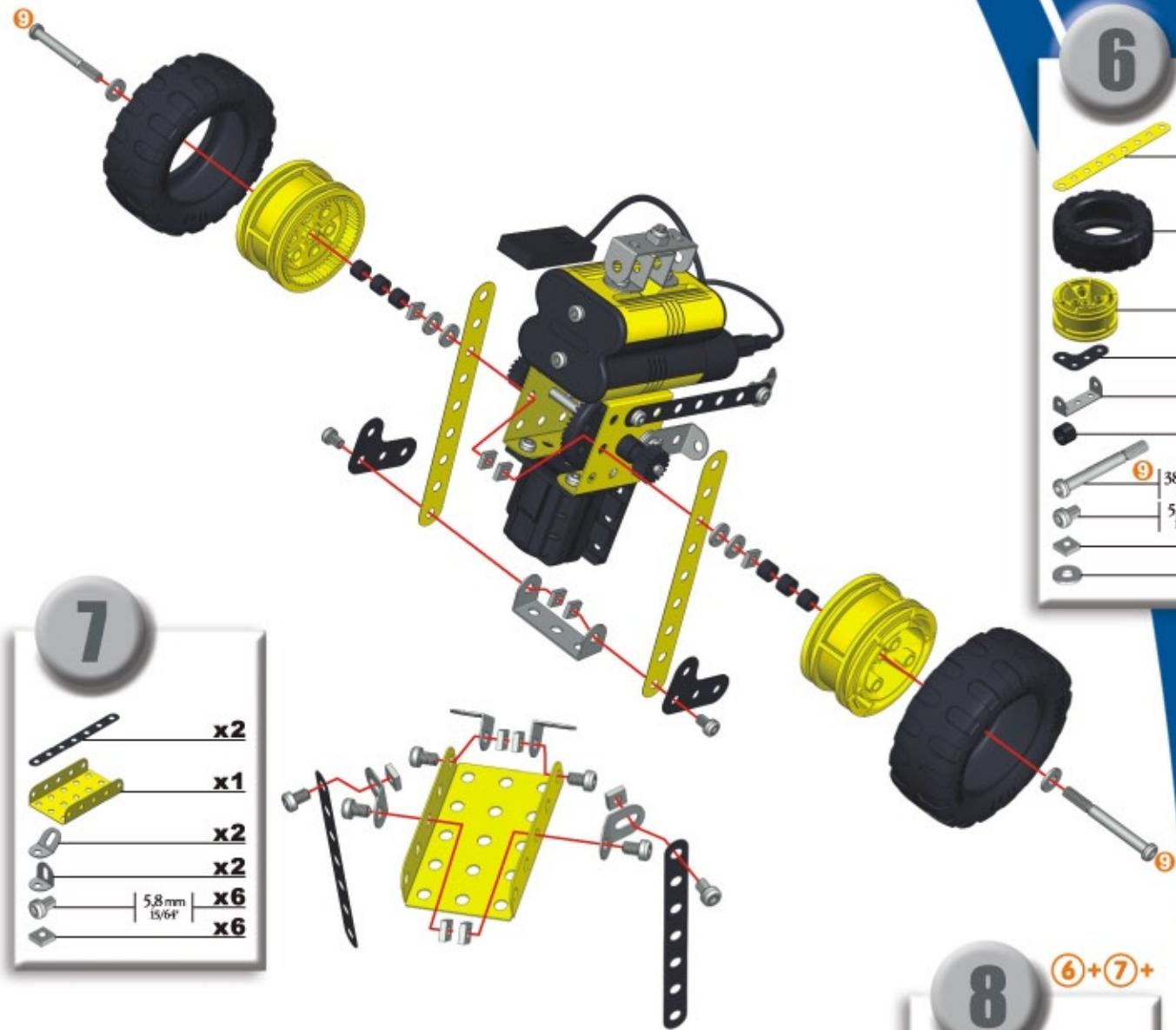


**4**



**5**

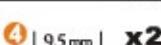


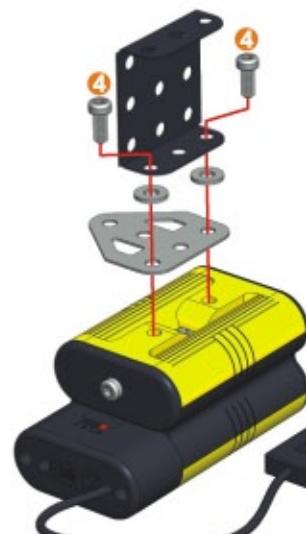


**10**

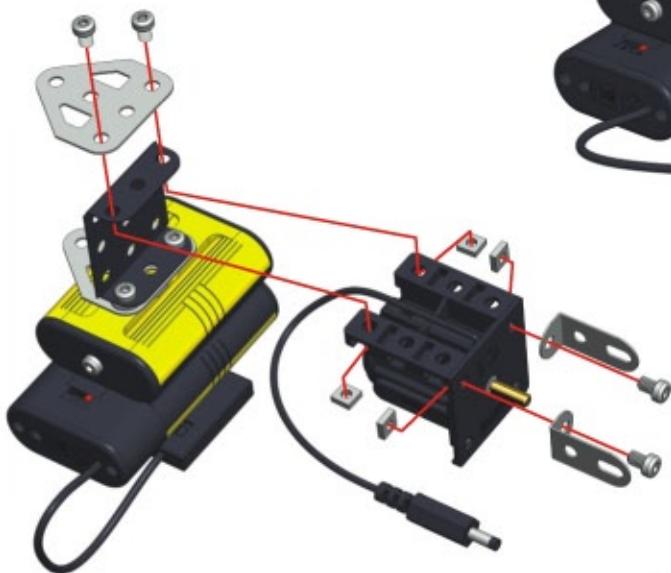
-  x1  
 | 5,8 mm 15/64" x3  
 x3

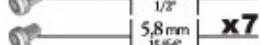
**11****11**

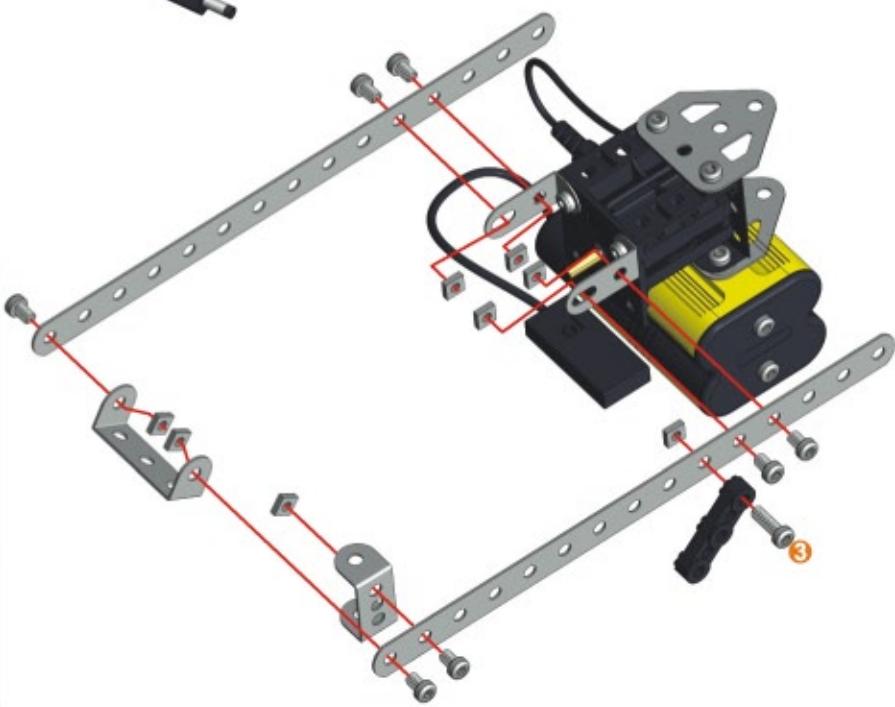
-  x1  
 x1  
 | 9,5 mm 3/8" x2  
 x2

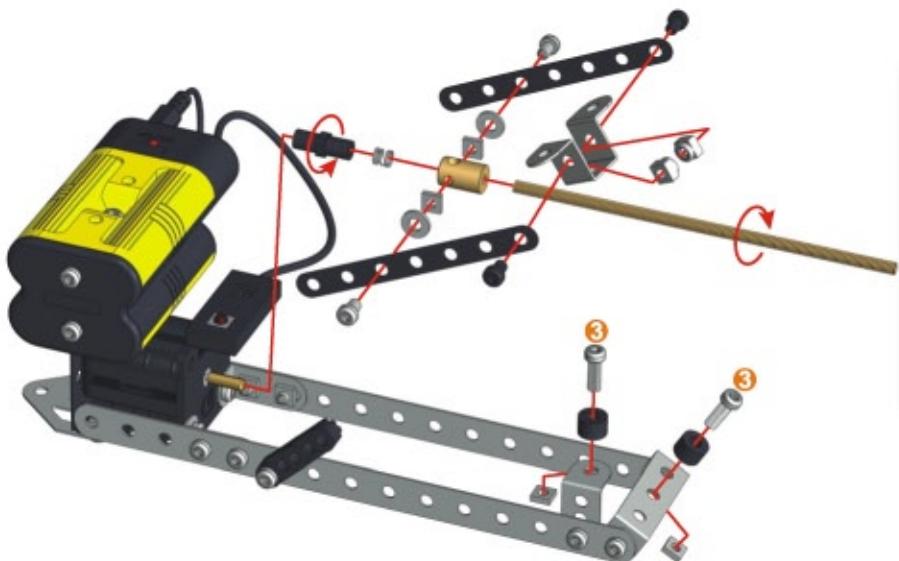
**12**

-  x1  
 x1  
 x2  
 | 5,8 mm 15/64" x4  
 x4

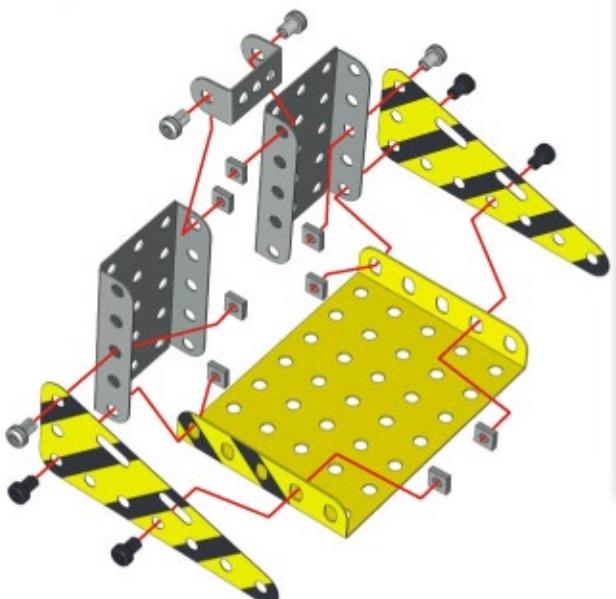
**13**

-  x2  
 x1  
 x1  
 x1  
 | 12 mm 1/2" x1  
 | 5,8 mm 15/64" x7  
 x8



**14**

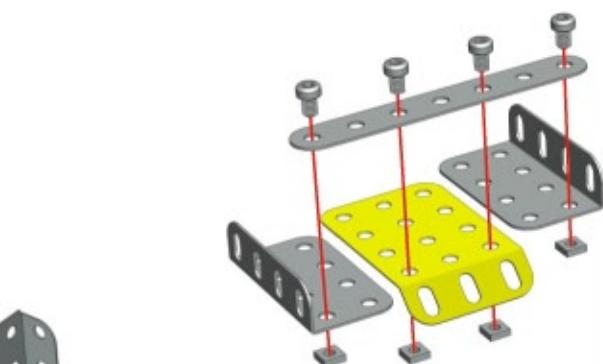
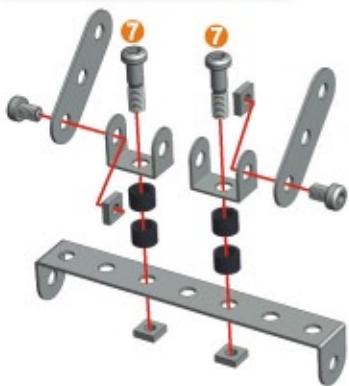
x1	x2
x2	x2
12 mm 1/2'	x2
5.8 mm 15/64"	x2
5.8 mm 15/64"	x2
x1	x4
x1	x2

**15****15**

x1	x1
x2	x2
x2	x2
x1	x1
5.8 mm 15/64"	x4
5.8 mm 15/64"	x4
x8	x8

**16**

x1	x1
x2	x2
x2	x2
x4	x4
7 14.7 mm 57/64"	x2
5.8 mm 15/64"	x2
x4	x4

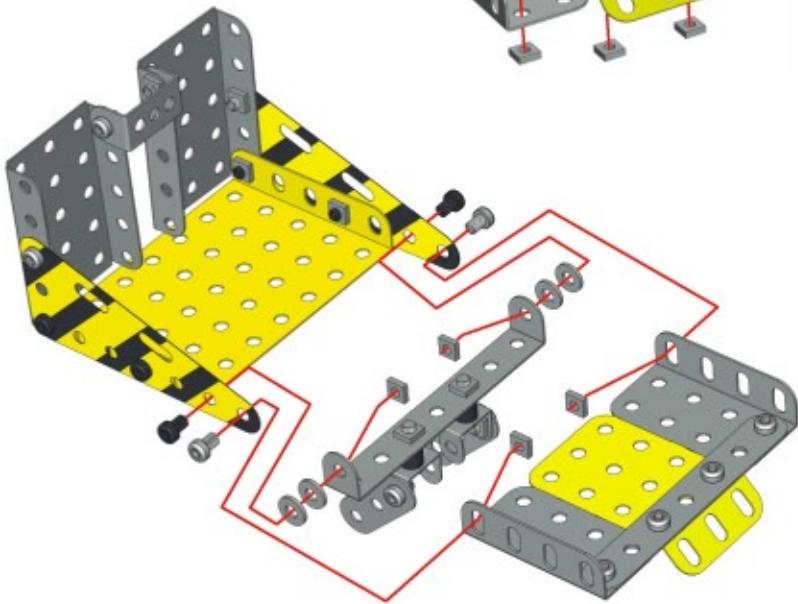
**17**

x1	x1
x2	x2
5.8 mm 15/64"	x4
x4	x4

**18**

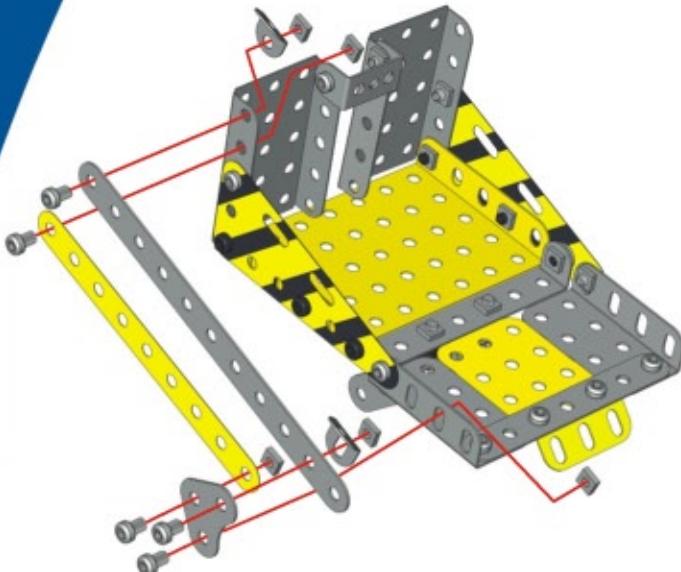
(15 + 16 + 17 +)

x2	x2
x2	x2
x4	x4
x4	x4



**19**

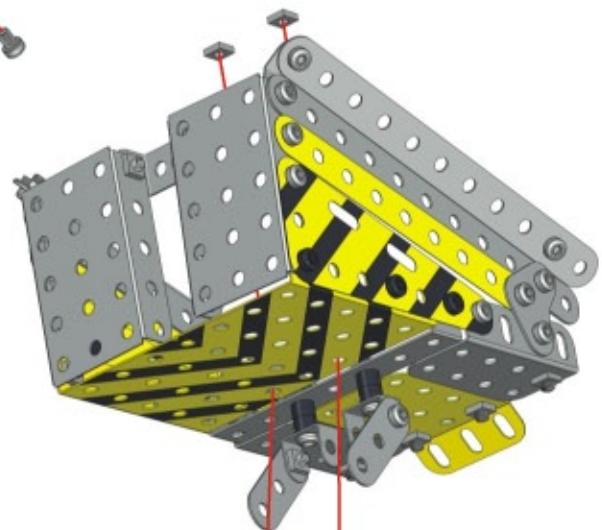
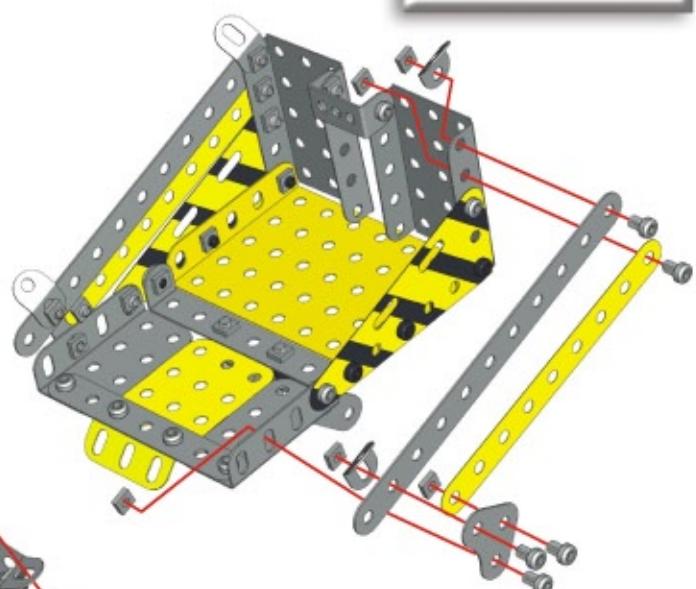
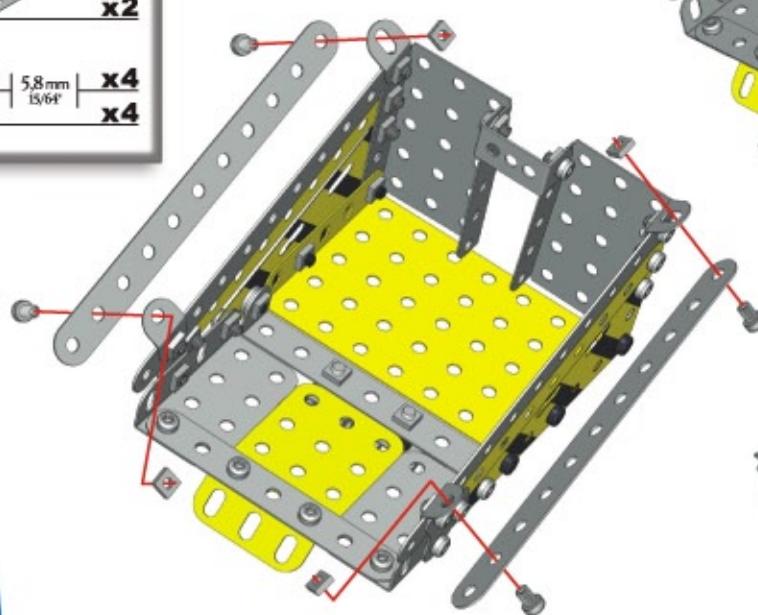
1x	
x1	
x1	
x1	
x2	
5,8 mm 15/64"	x5
5,8 mm 15/64"	x5

**20**

1x	
x1	
x1	
x1	
x2	
5,8 mm 15/64"	x5
5,8 mm 15/64"	x5

**21**

2x	
x2	
5,8 mm 15/64"	x4
5,8 mm 15/64"	x4

**22**

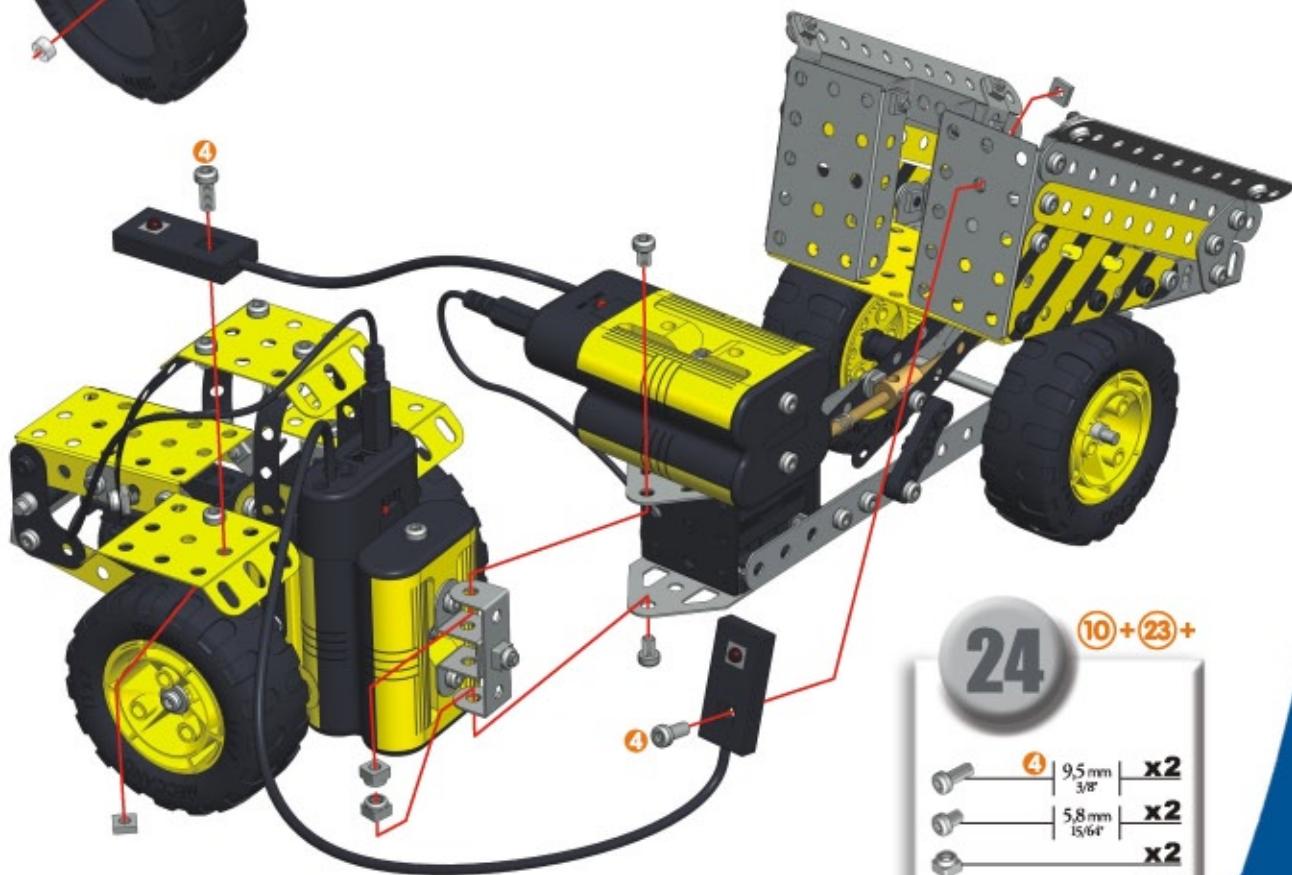
(14 + 21) +

2x	
5,8 mm 15/64"	x2
5,8 mm 15/64"	x2

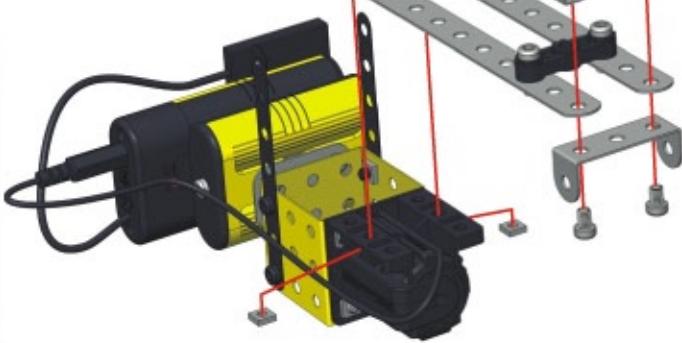
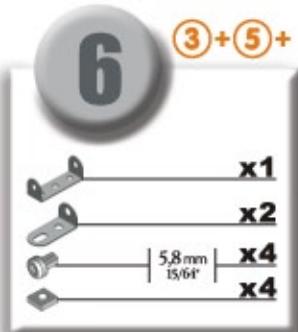
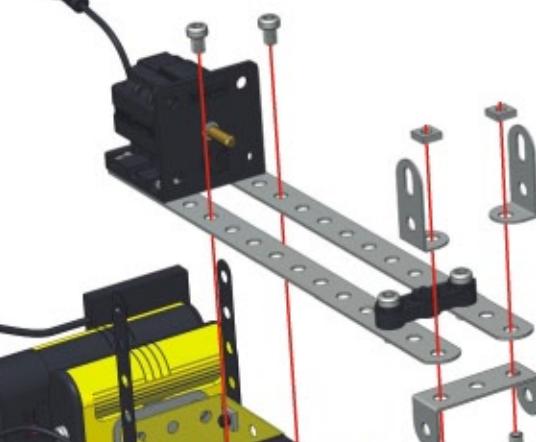
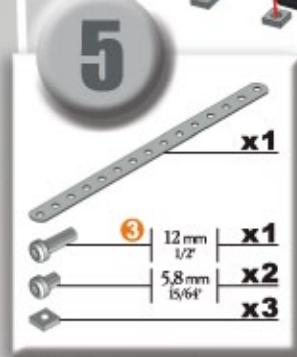
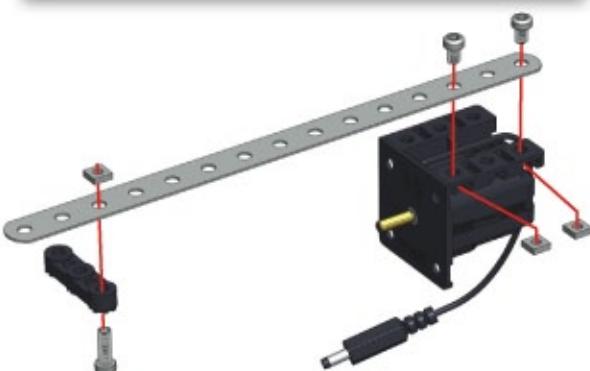
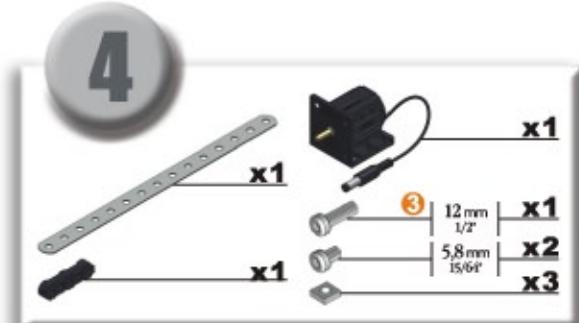
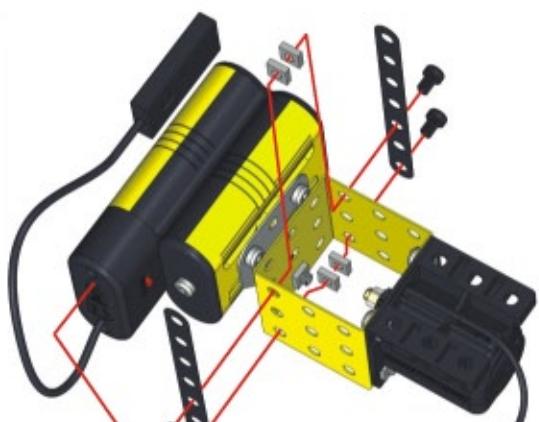
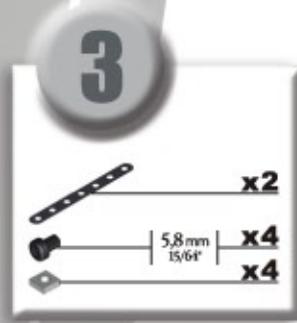
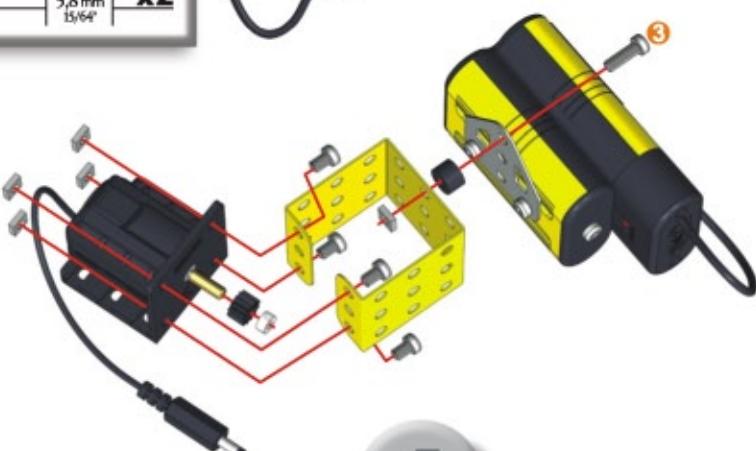
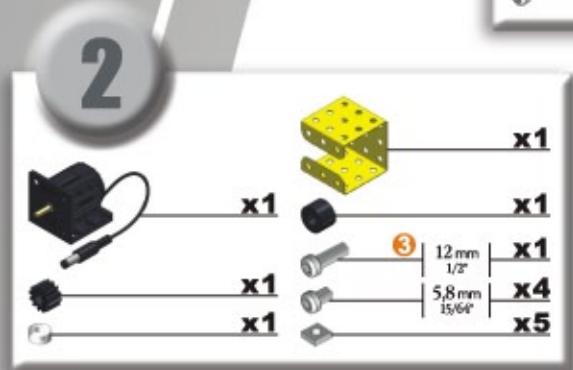
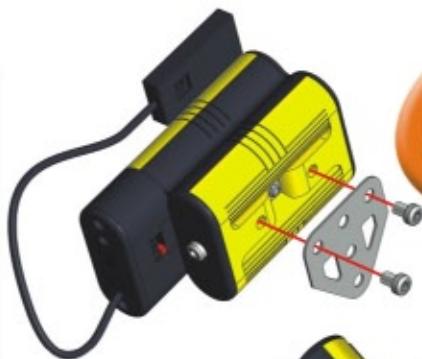


**23**

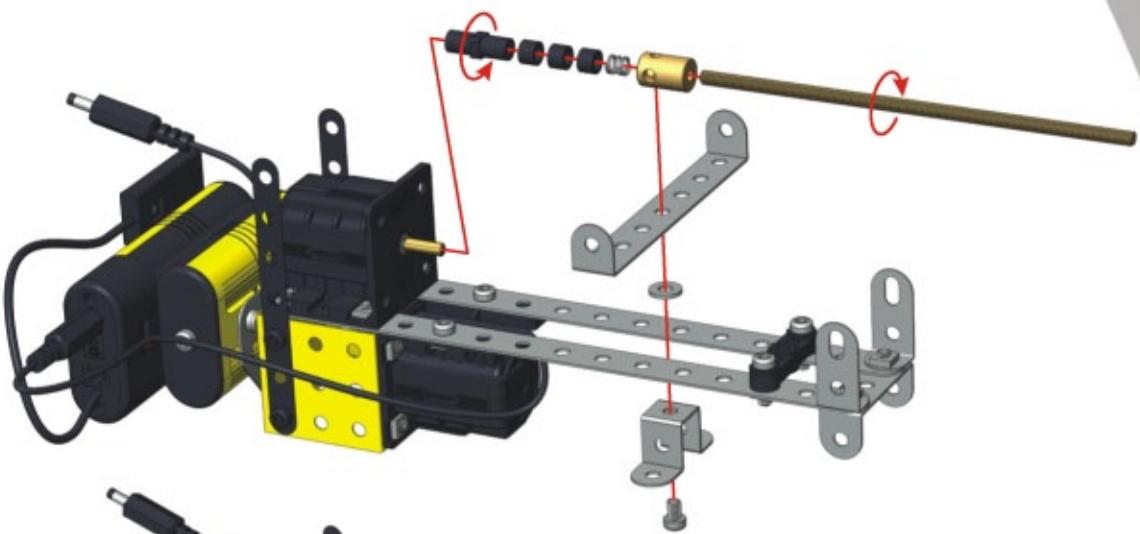
115 mm	x1
tire	x2
yellow hub	x2
black hub	x4
nut	x2

**24**

4	9,5 mm 3/8"	x2
	5,8 mm 15/64"	x2
	black hub	x2
	nut	x2

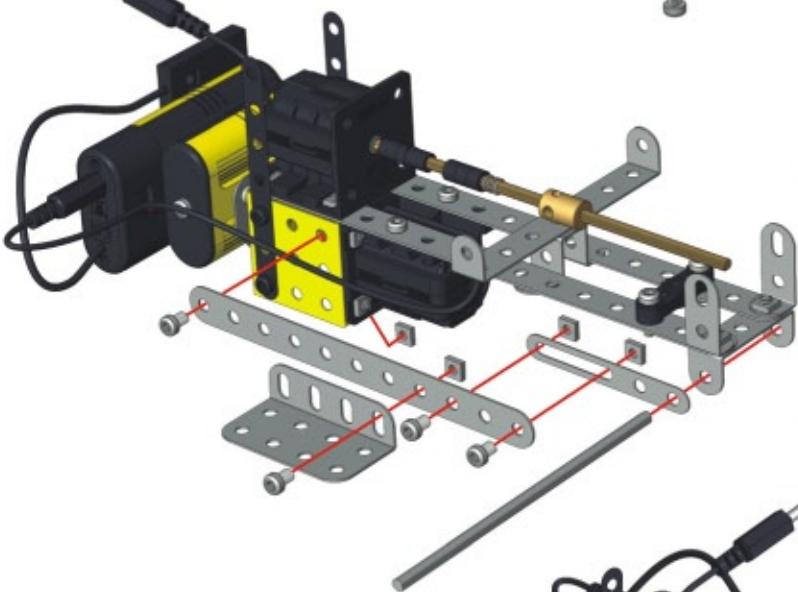


7



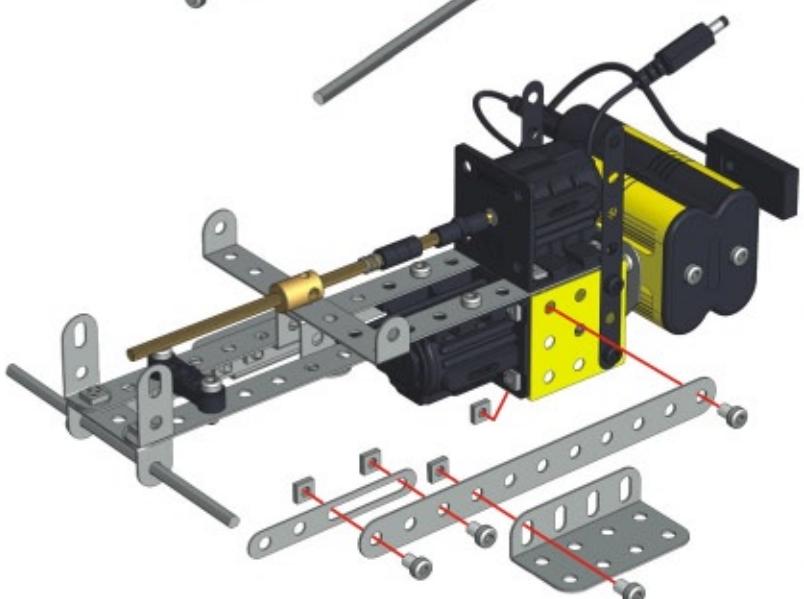
	127 mm 5"	x1
		x3
	5,8 mm 15/64"	x1
		x1
		x1

8



	115 mm 4 1/2"	x1
		x1
		x1
	5,8 mm 15/64"	x4
		x4

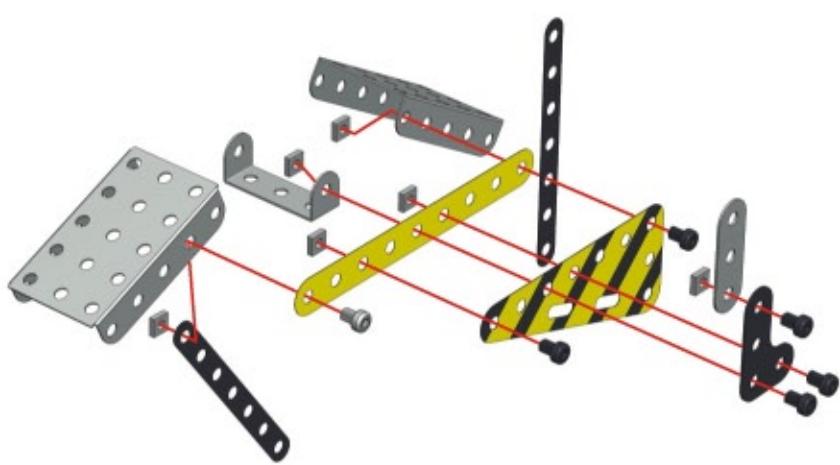
9



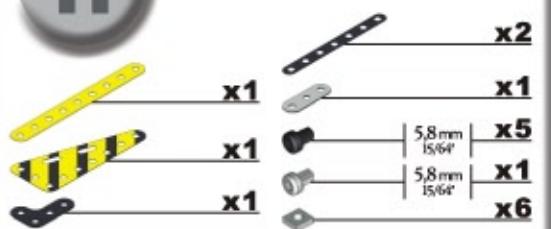
	x1
	x1
	5,8 mm 15/64"
	x4

10

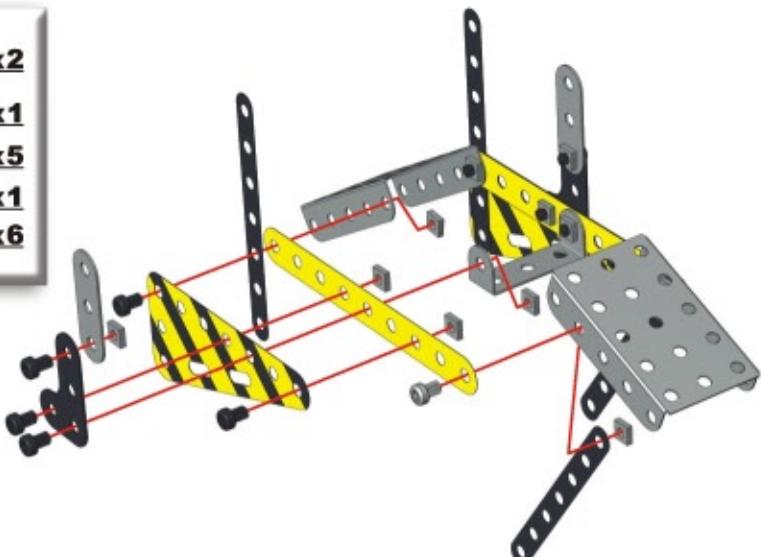
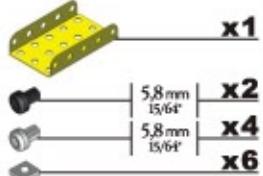
	x1
	x1
	x2
	x2
	x1
	x1
	x1
	x1
	5,8 mm 15/64"
	x5
	5,8 mm 15/64"
	x1
	x6



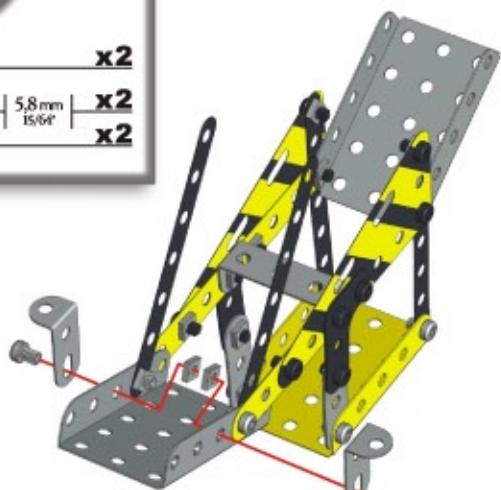
11



12



13

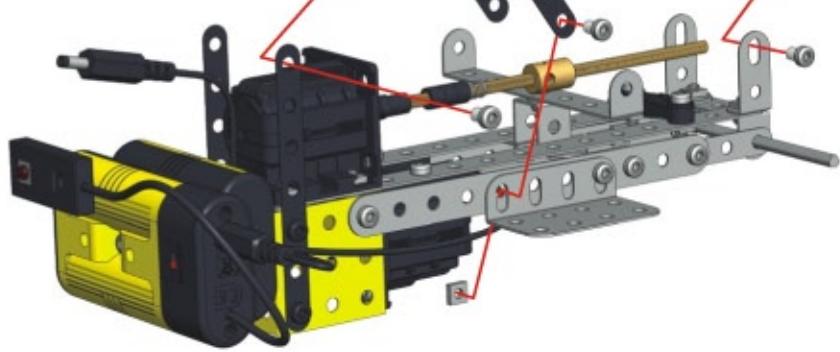
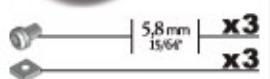


14

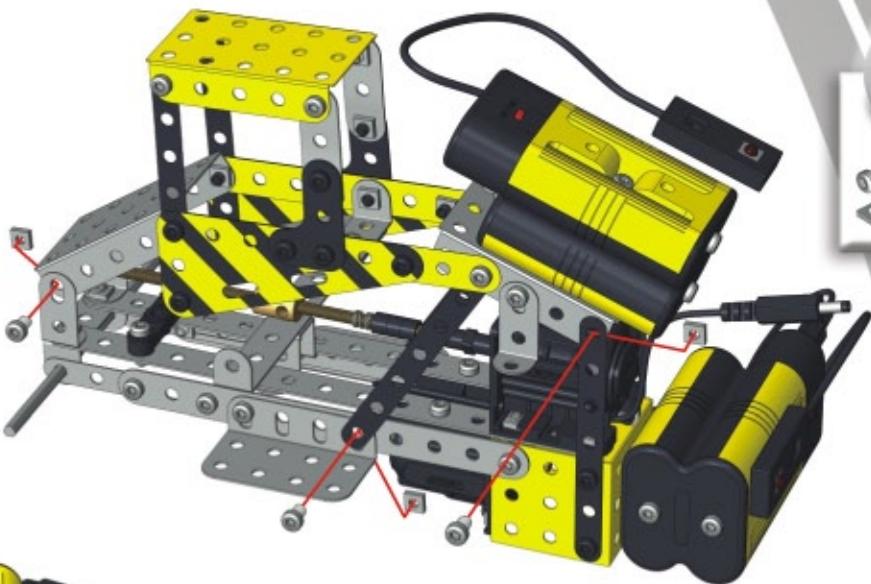


15

(9+14+)



16



17

	x2
	5,8 mm 15/64"
	x2



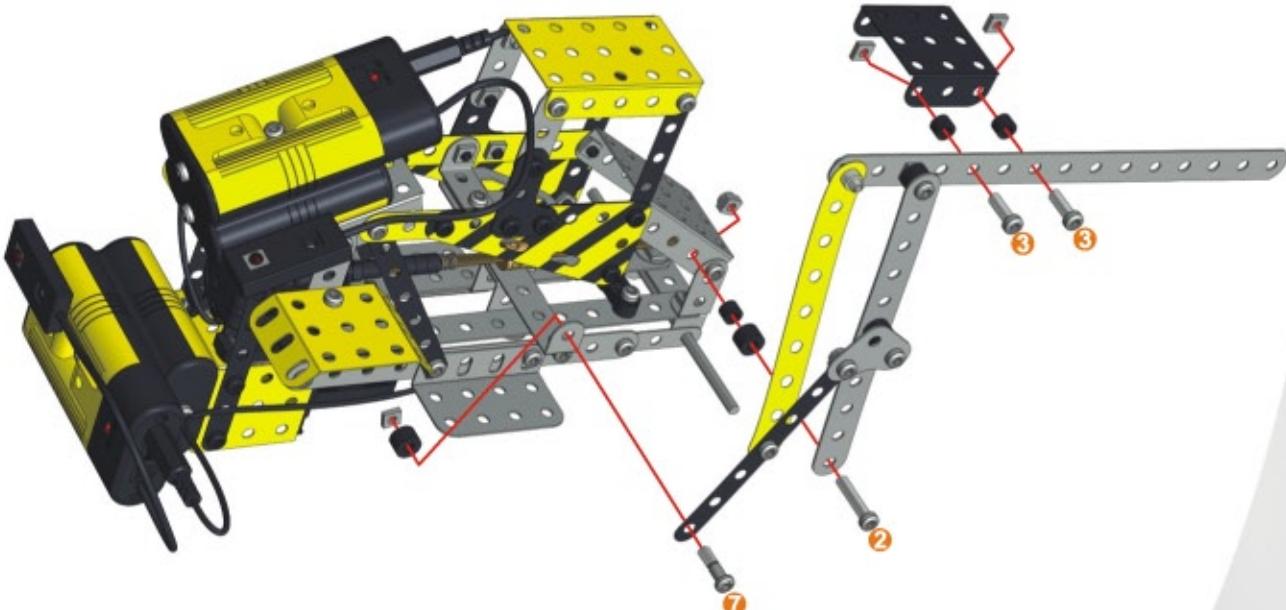
18

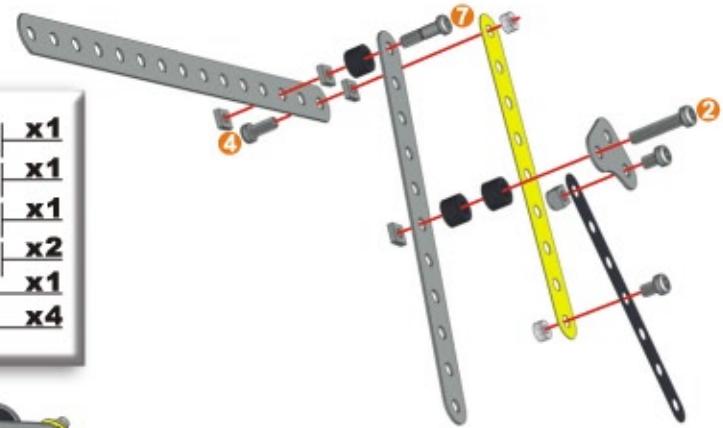
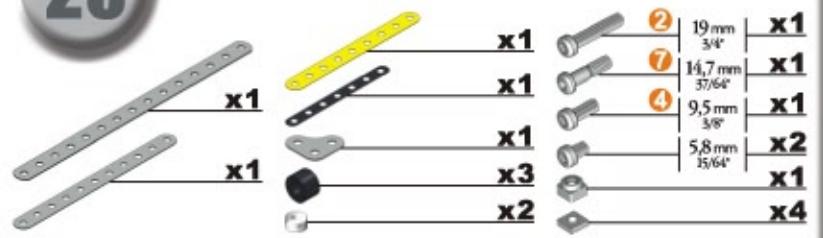
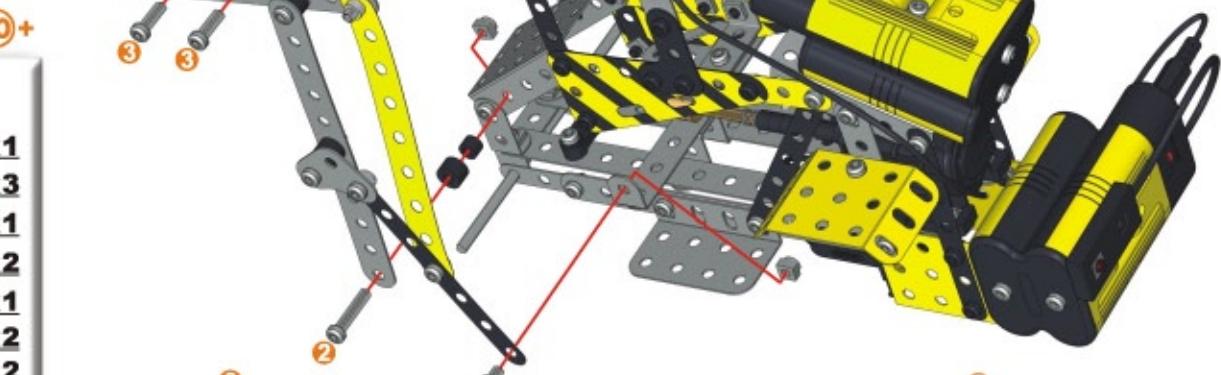
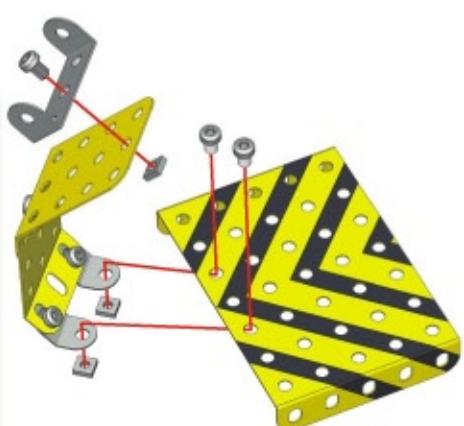
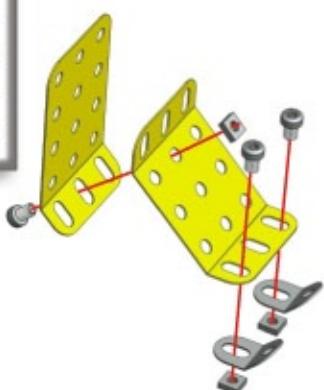
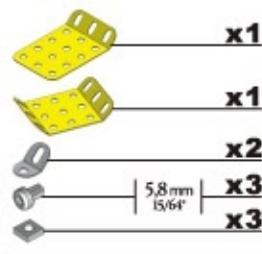
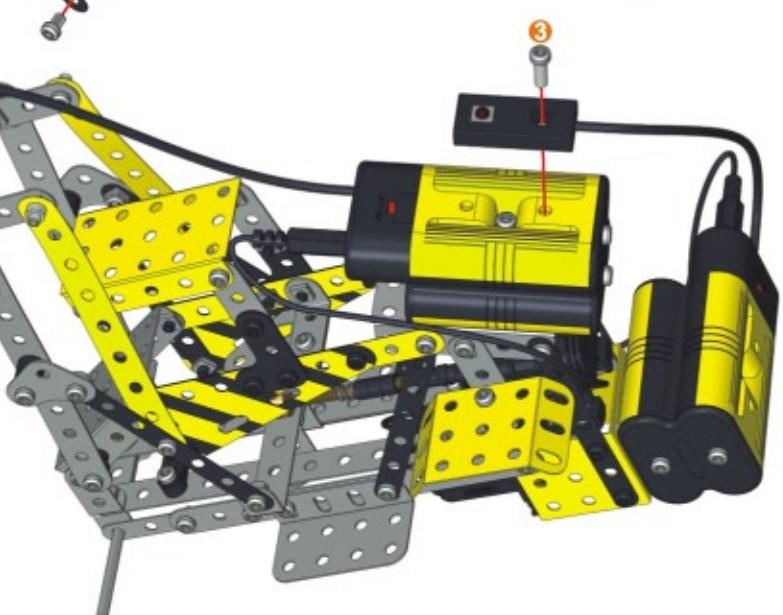
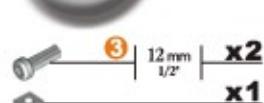
	x3
	x2
	19 mm 3/4"
	14,7 mm 57/64"
	9,5 mm 3/8"
	5,8 mm 15/64"
	x1
	x1

19

(17+18)+

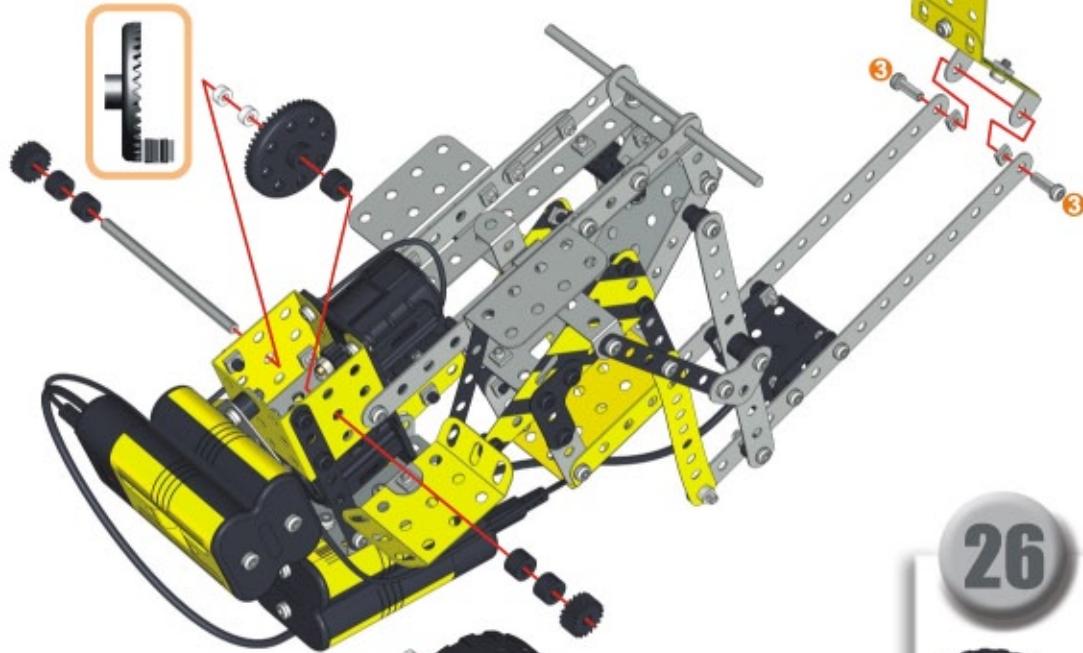
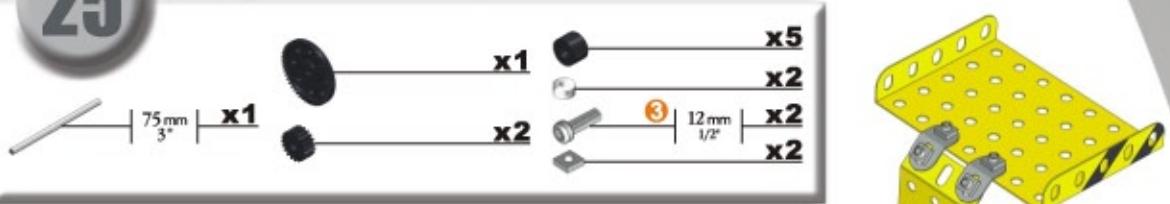
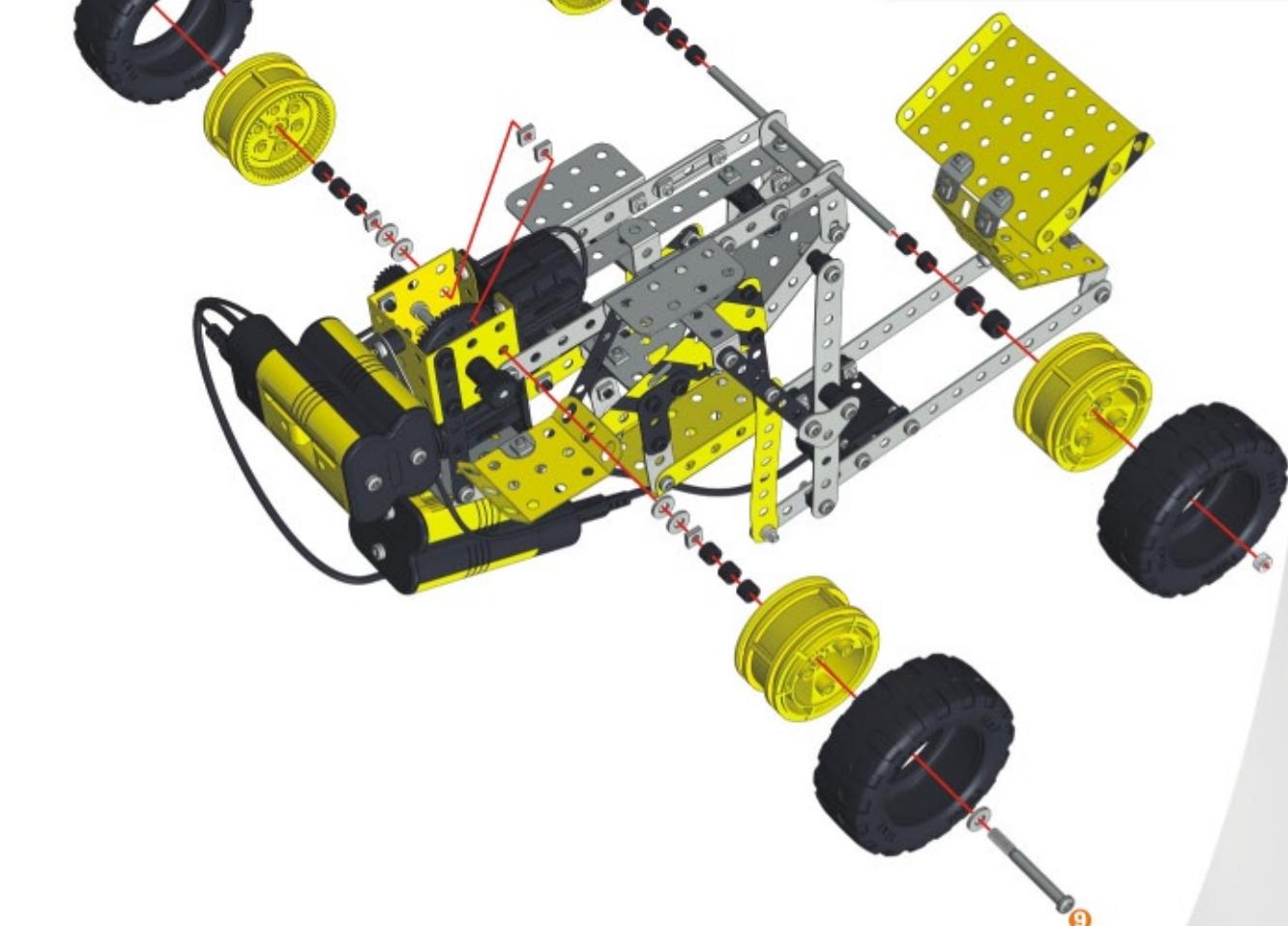
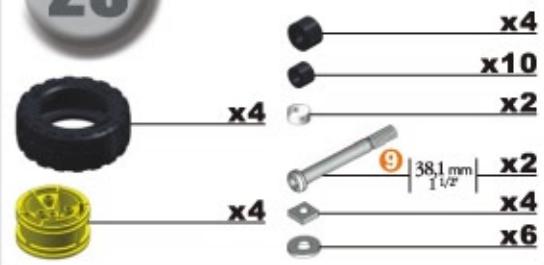
	x2
	12 mm 1/2"
	x2
	x1
	x3

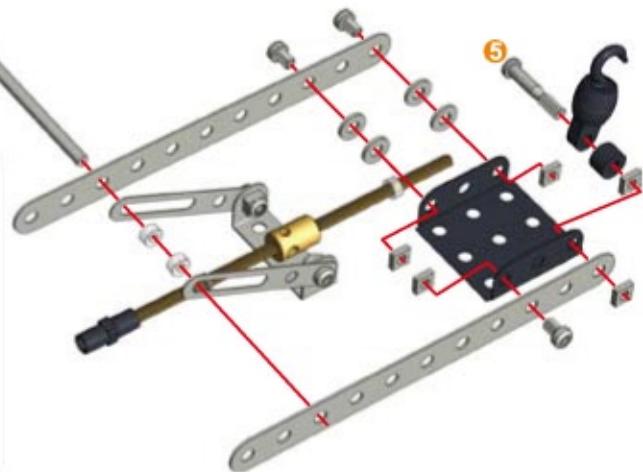
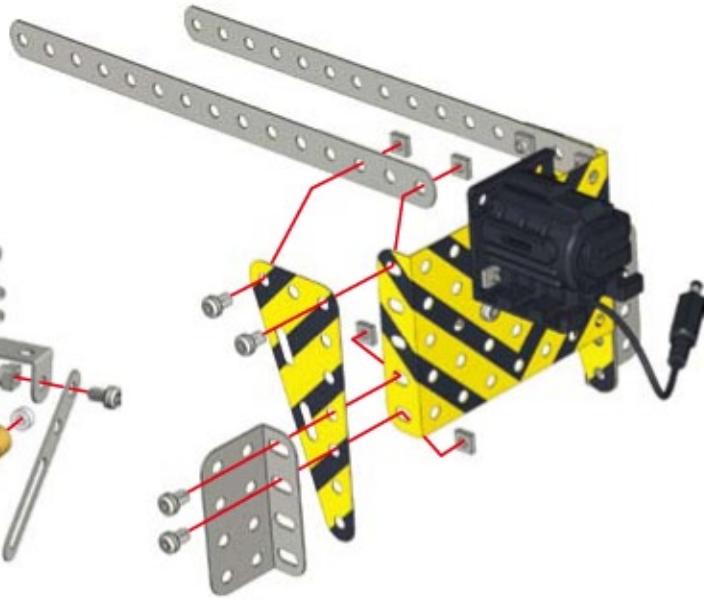
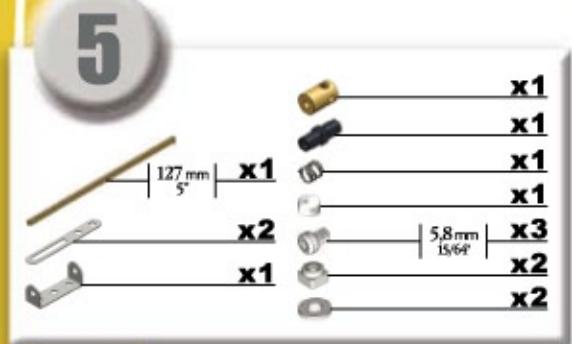
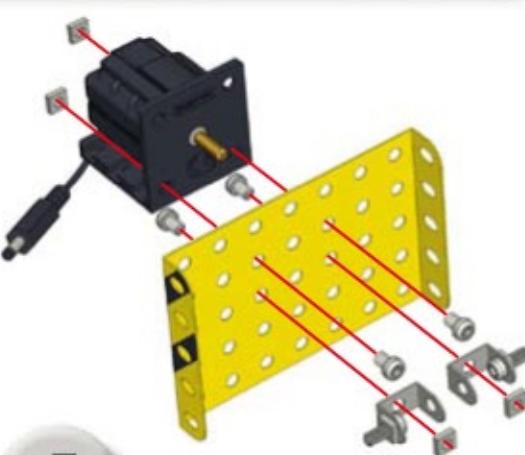
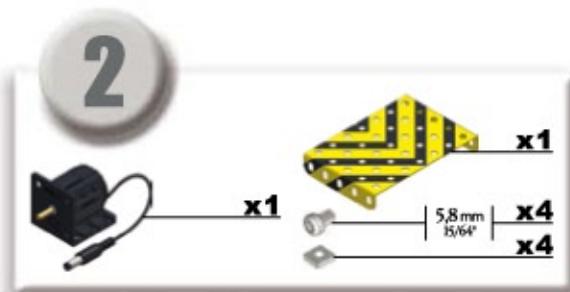
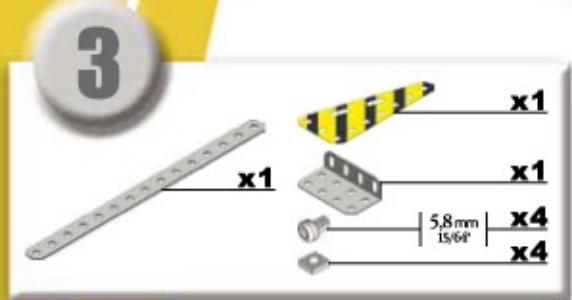
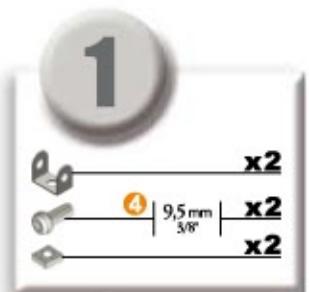


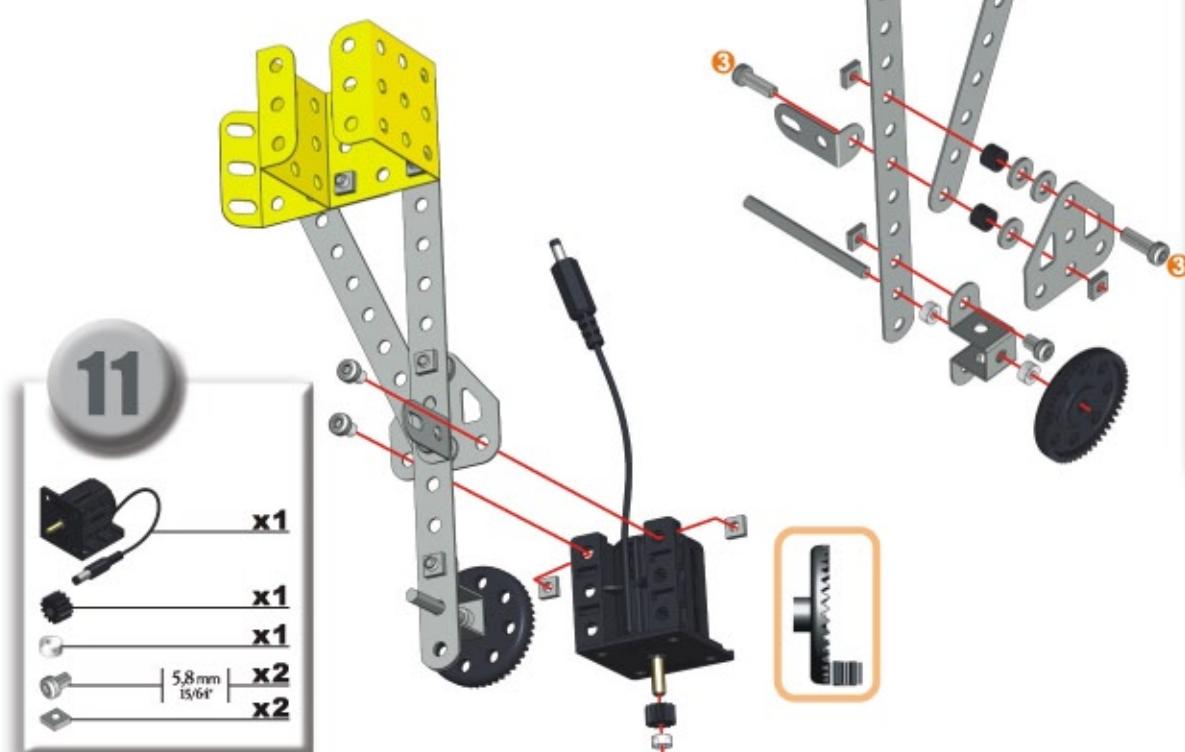
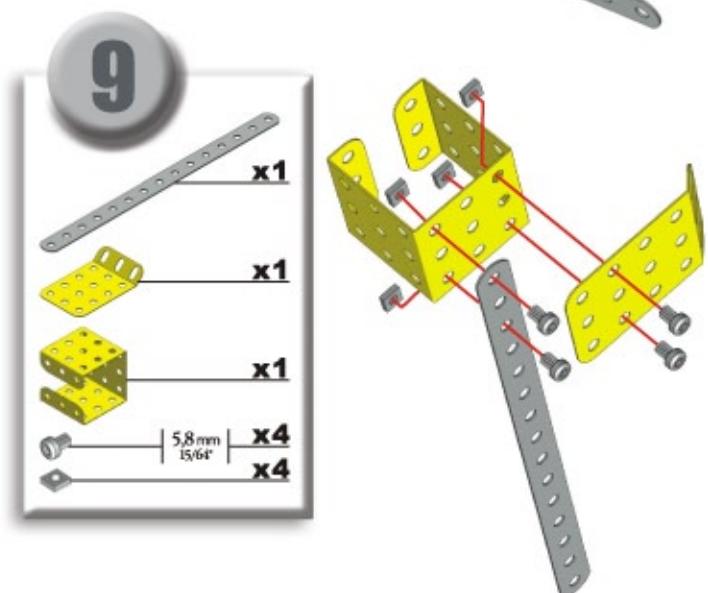
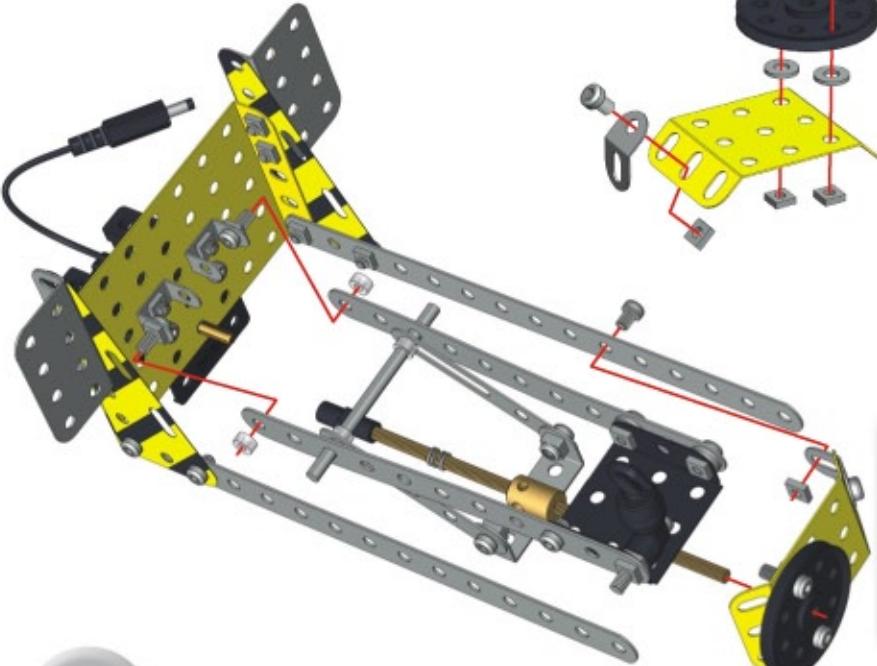
**20****21****(19+20)+****22**

**25**

22 + 24 +

**26**





**12**

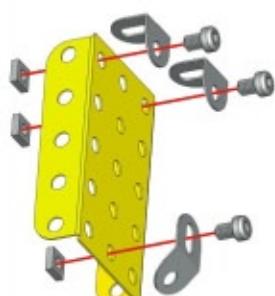
	x1
	x1
	x3
	x1
	x4

**13**

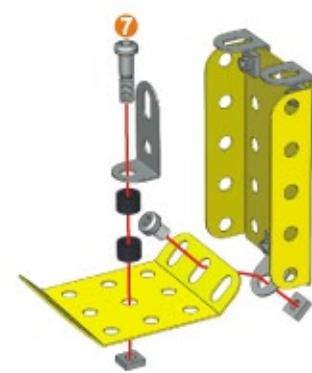
	x1
	x3
	x1

**14**

	x1
	x1
	x2
	x3
	x3

**15**

	x1
	x1
	x2
	x1
	x1
	x2

**16**

	x1
	x1
	x3
	x1
	x5
	x7
	x1

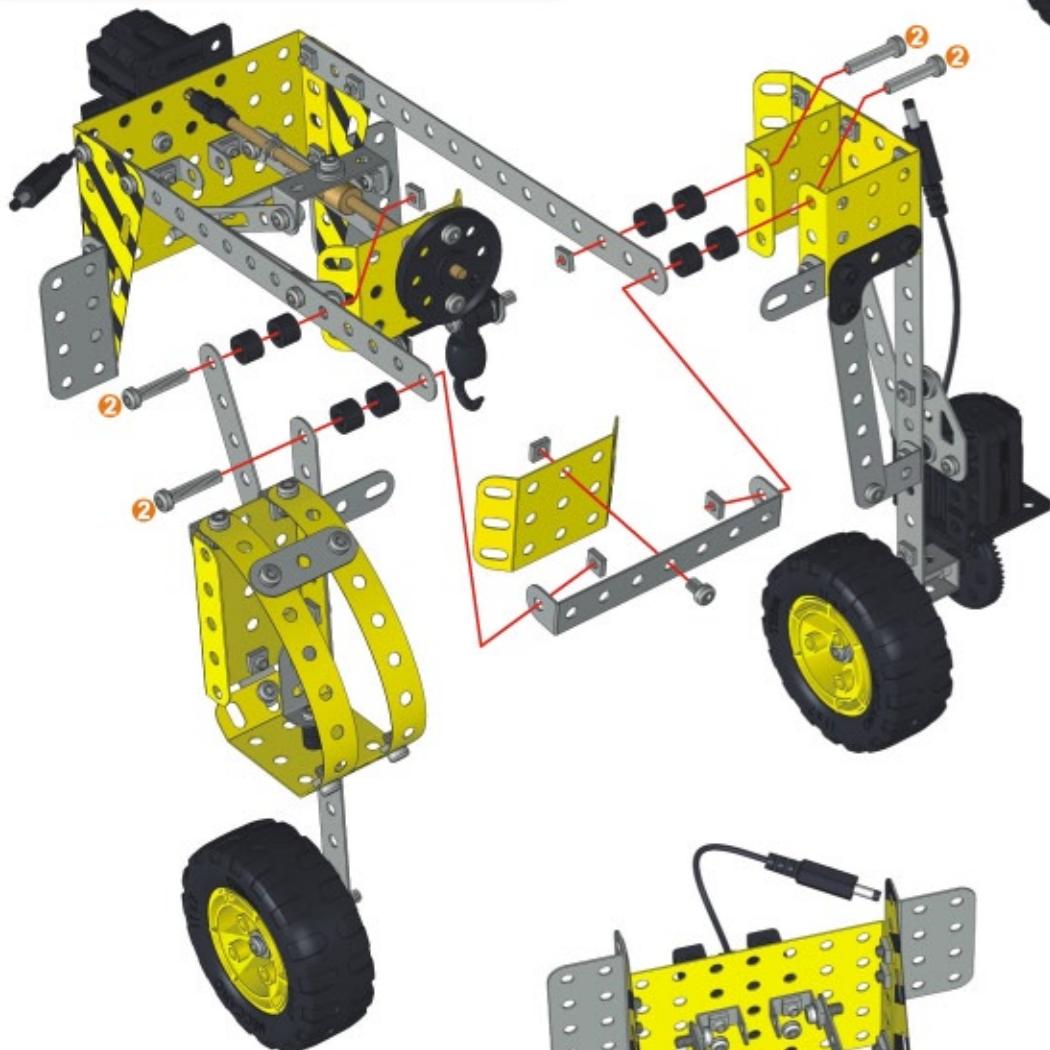
**17**

	x1
	5,8 mm 15/64"
	x4
	x4

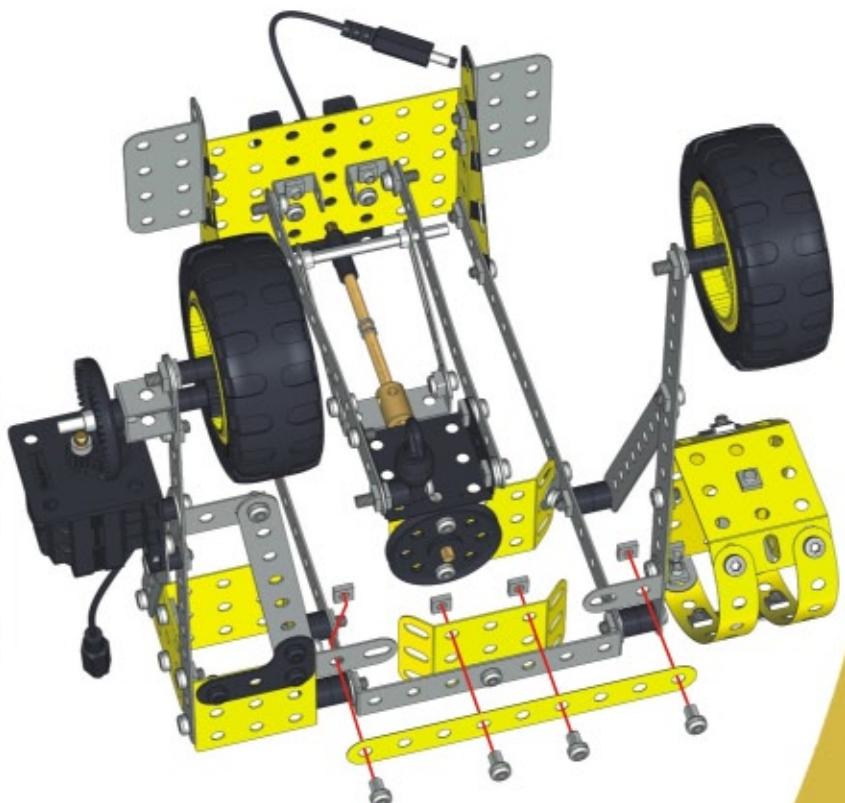
**18**

8 + 13 + 17 +

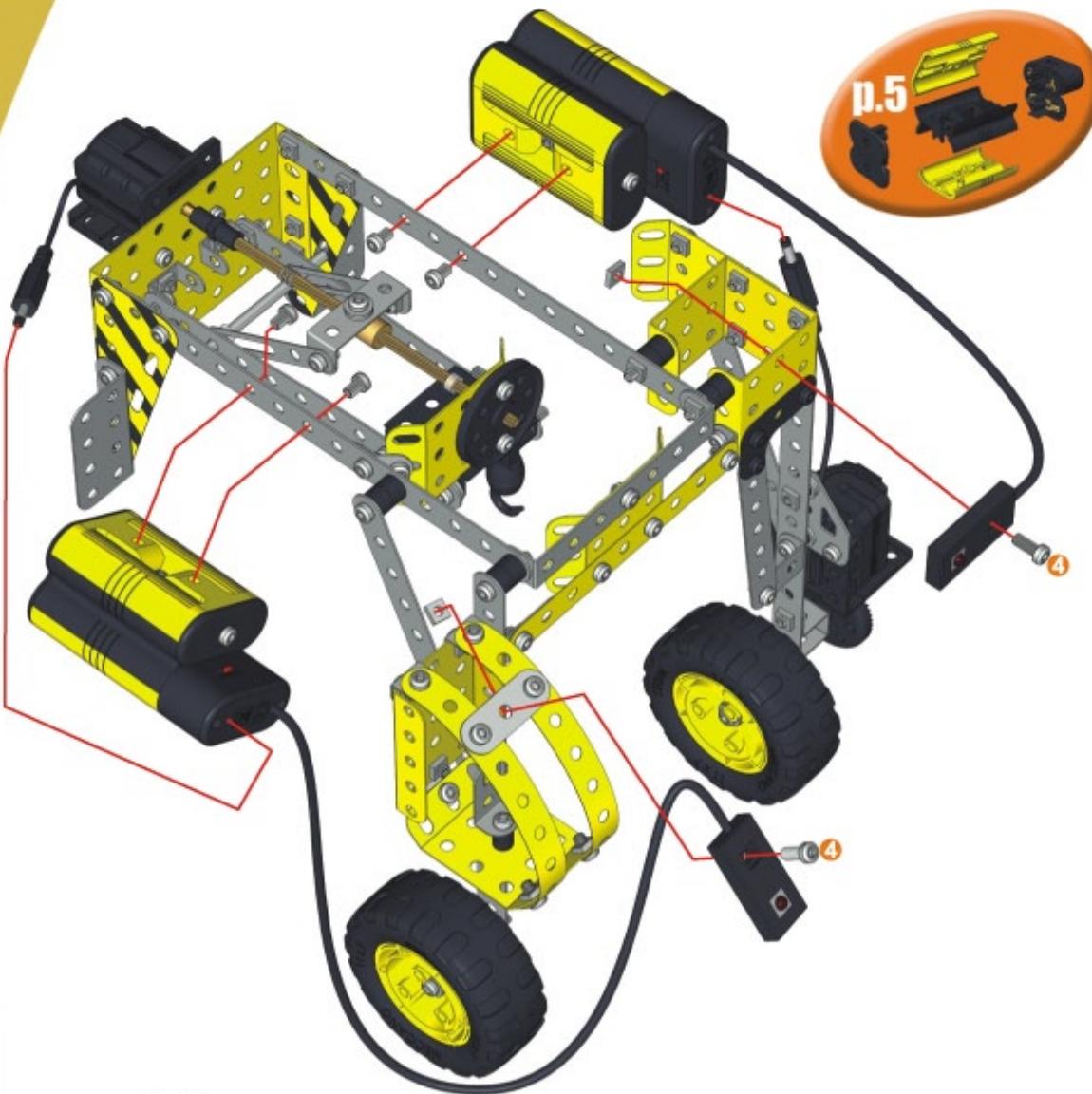
	x1
	2
	19 mm 3/4"
	x4
	5,8 mm 15/64"
	x1
	x5

**19**

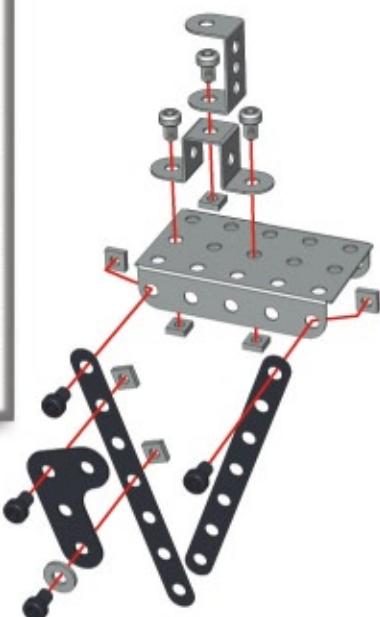
	x1
	5,8 mm 15/64"
	x4



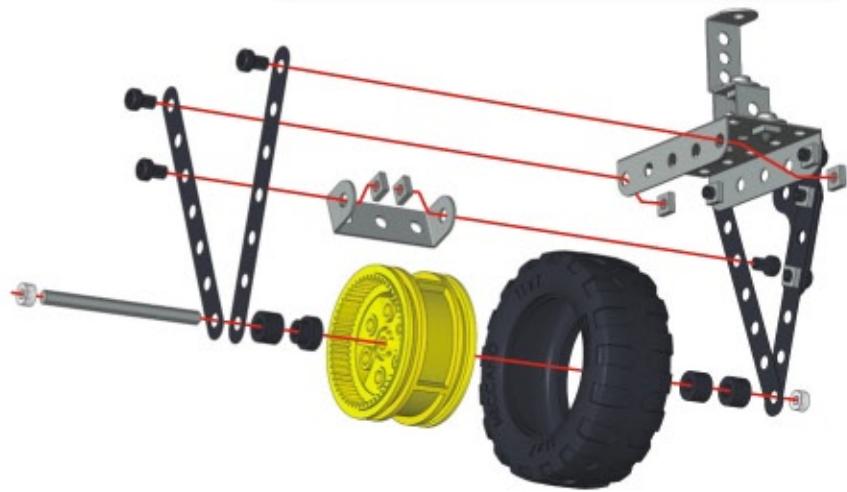
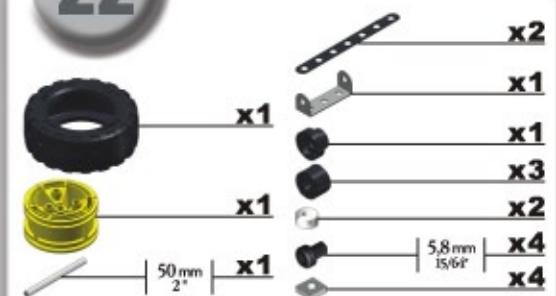
20



21



22



**23**

plate	x1
plate	x1
plate	x1
plate	x4
plate	x2
plate	x1
plate	x3

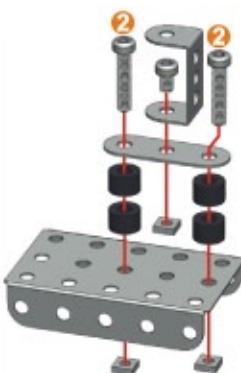
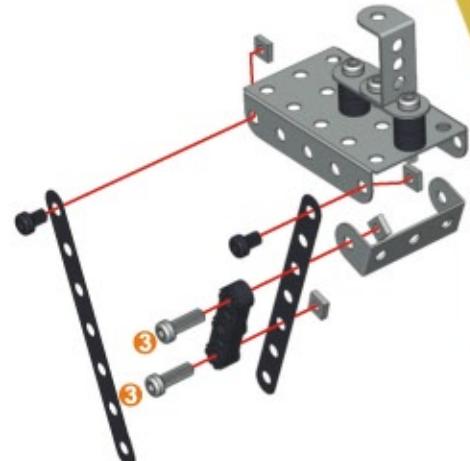
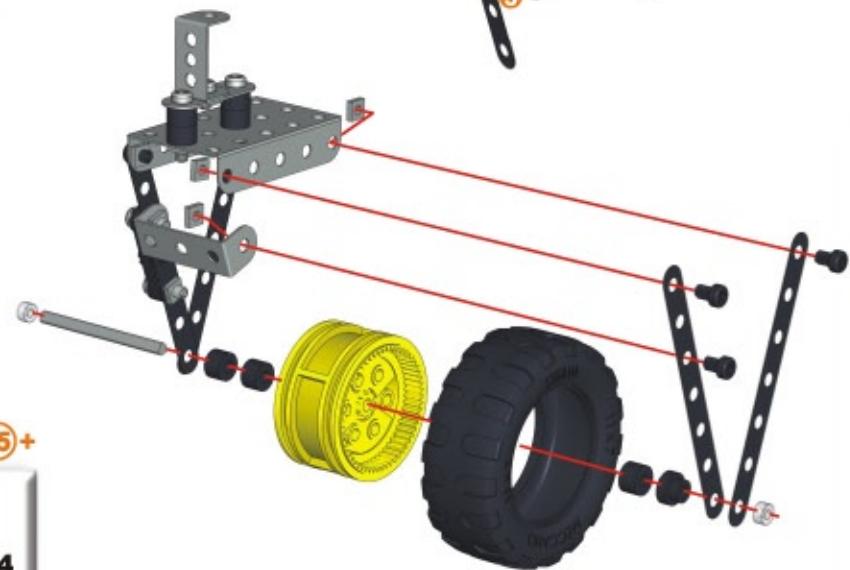
**24**

plate	x2
plate	x1
plate	x1
plate	x2
plate	x4

**25**

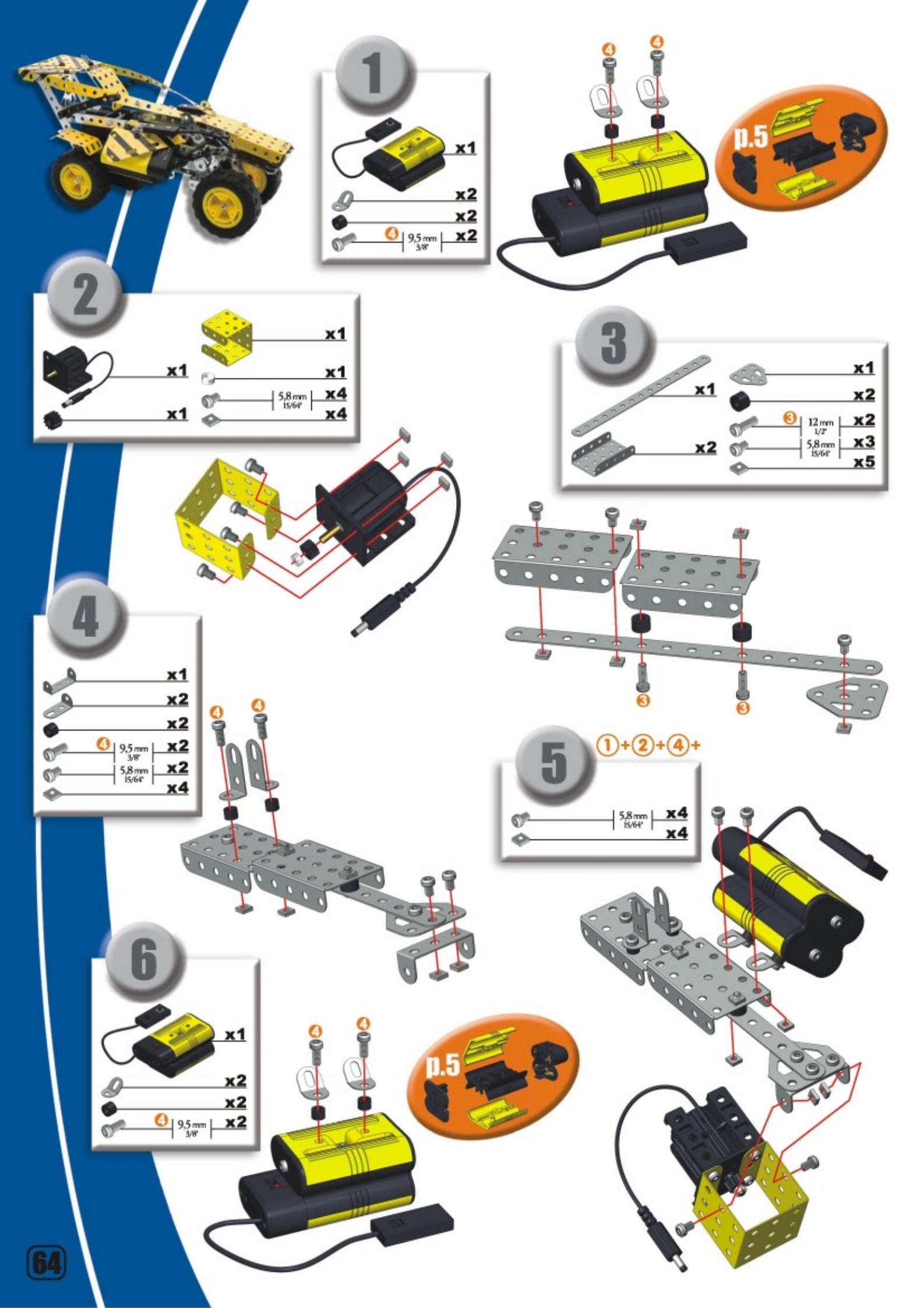
tire	x1
hub	x1
rod	x1
plate	x2
plate	x1
plate	x3
plate	x2
plate	x3
plate	x3



20 + 22 + 25 +

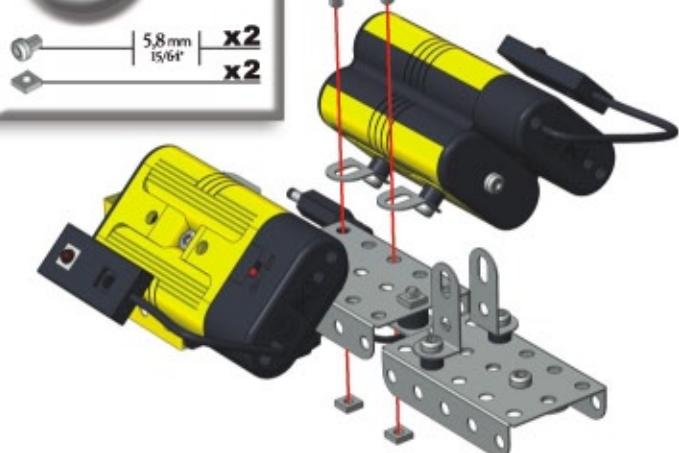
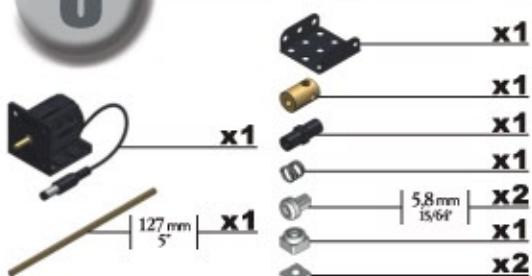
plate	x4
-------	----



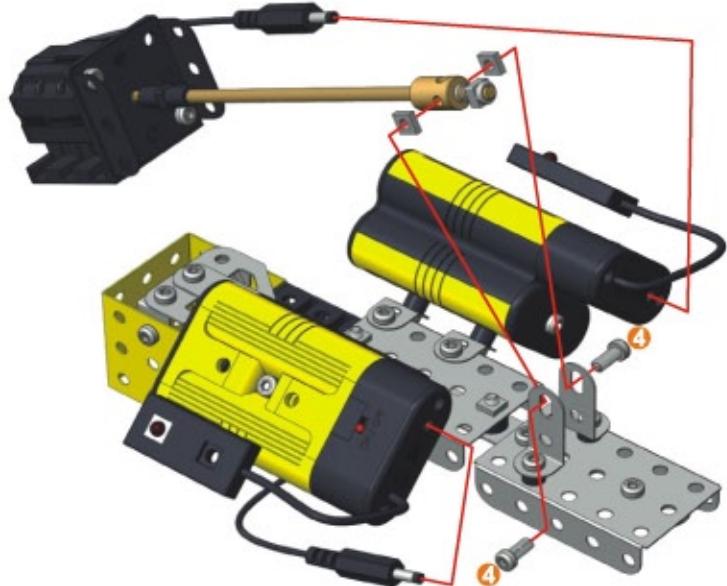
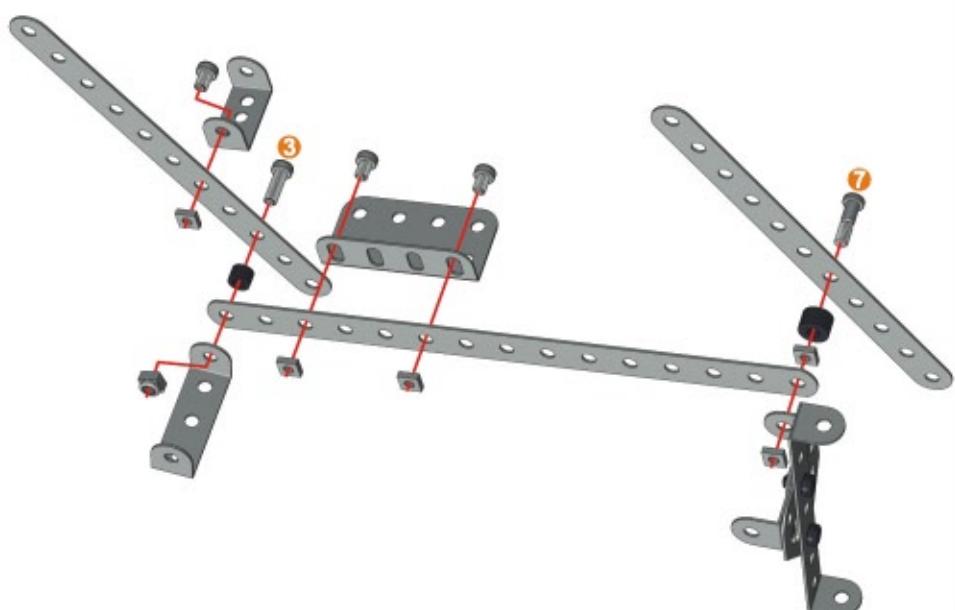
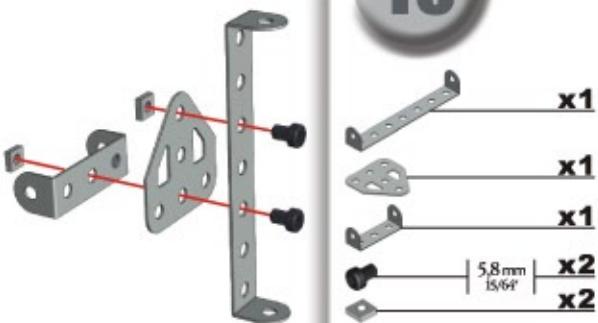
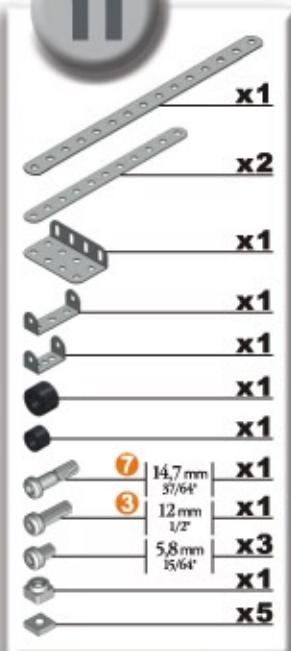


**7**

⑤+⑥+

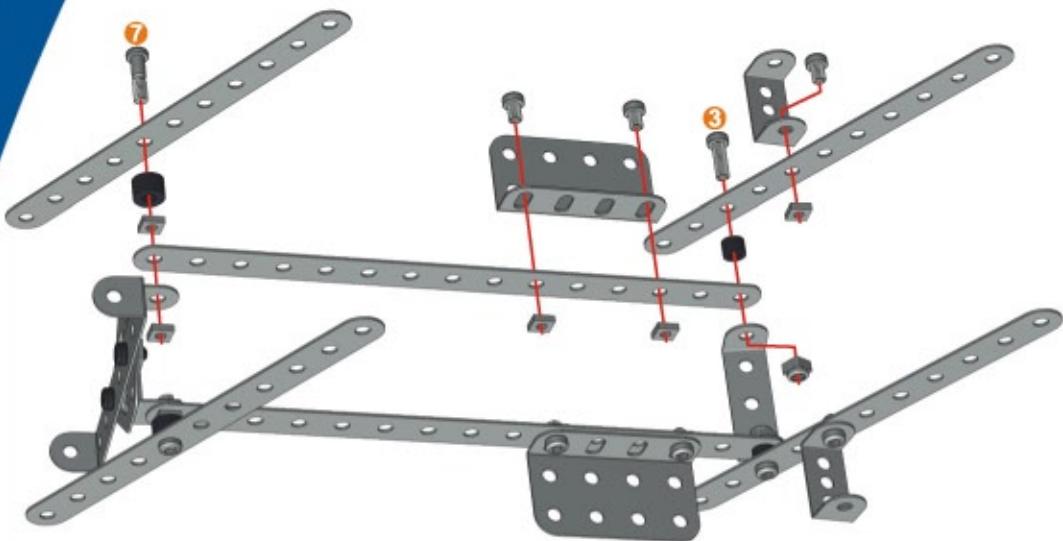
**8****9**

⑦+⑧+

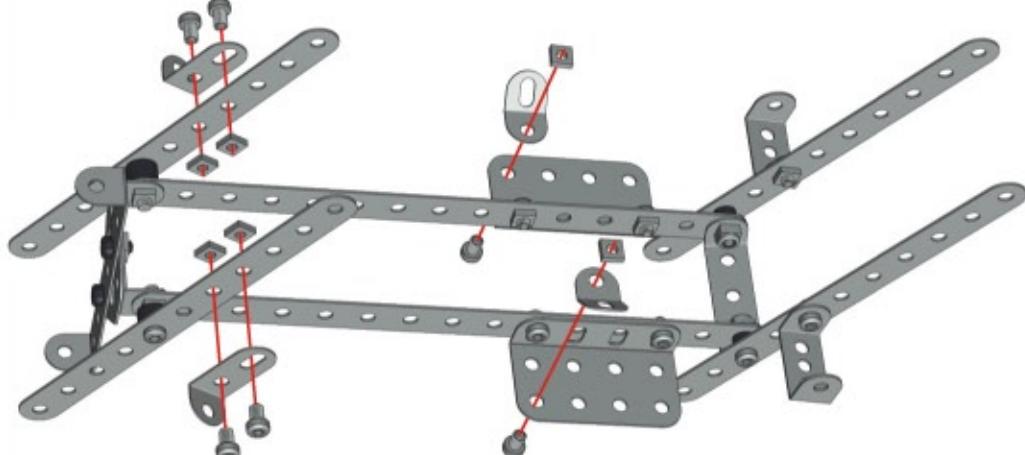
**10****11**

**12**

14.7 mm 37/64"	x1
12 mm 1/2"	x1
5,8 mm 15/64"	x3
	x1
	x5

**13**

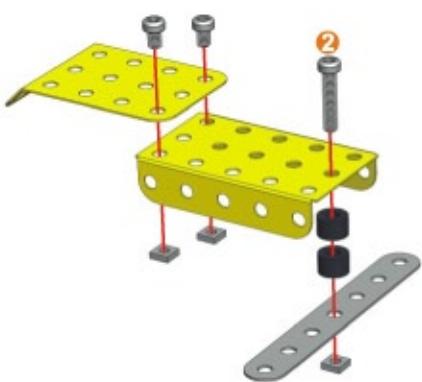
14.7 mm 37/64"	x2
12 mm 1/2"	x2
5,8 mm 15/64"	x6
	x6

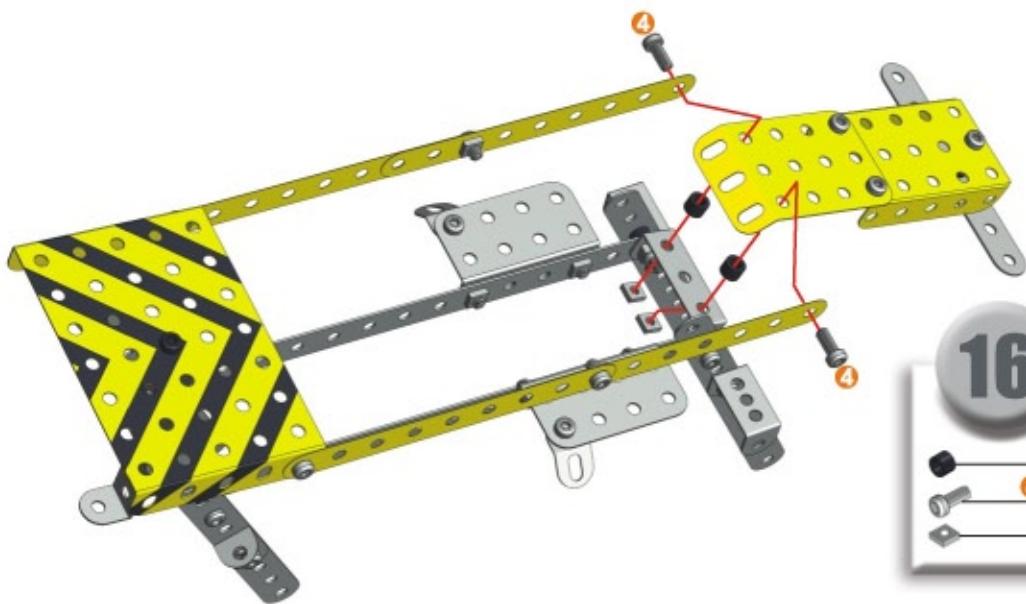
**14**

14.7 mm 37/64"	x1
12 mm 1/2"	x4
5,8 mm 15/64"	x1
5,8 mm 15/64"	x4
	x5

**15**

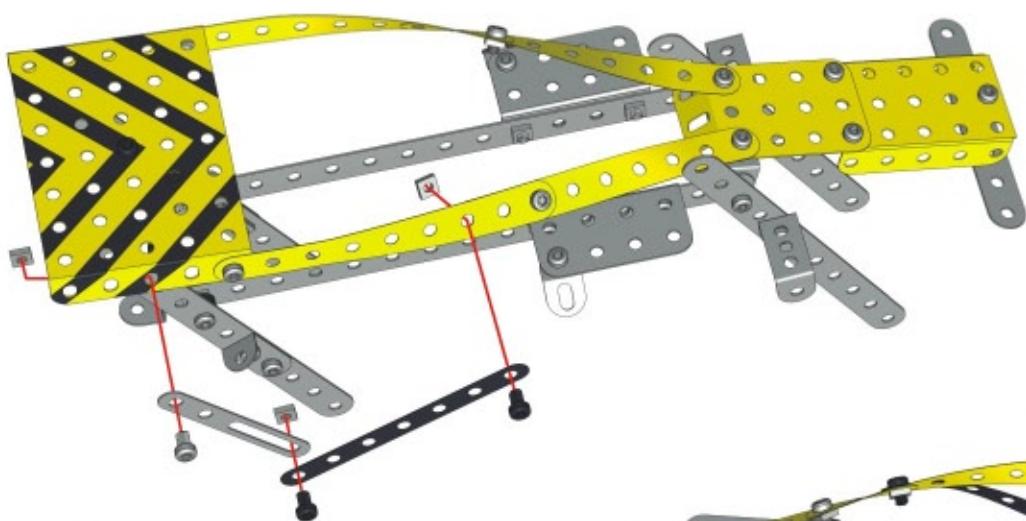
14.7 mm 37/64"	x1
12 mm 1/2"	x2
5,8 mm 15/64"	x1
5,8 mm 15/64"	x2
	x3





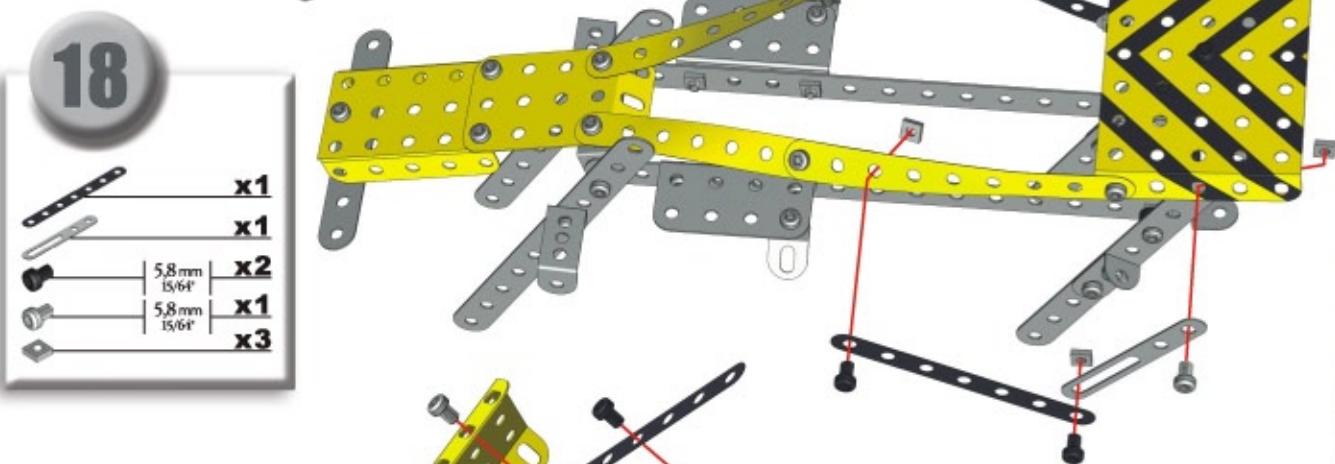
**16**

(14 + 15) + 4  
x2  
9.5 mm | 3/8" x2  
x2



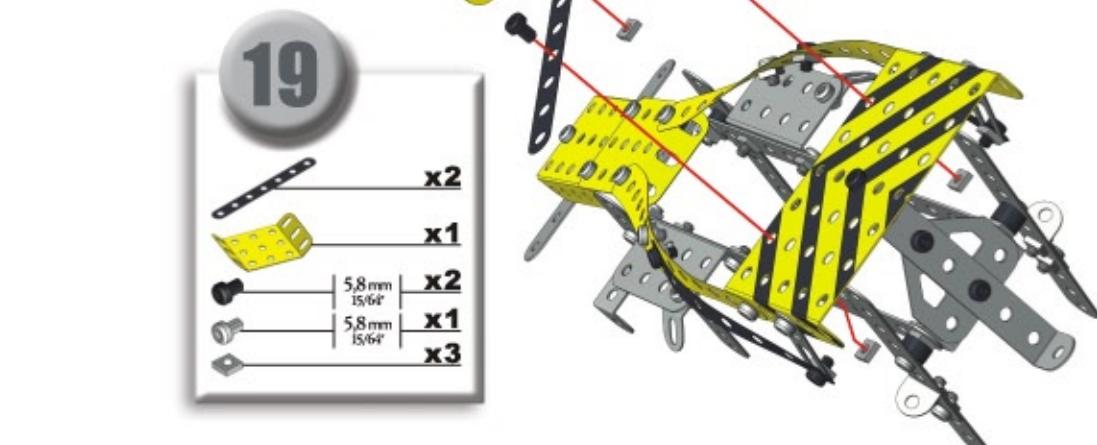
**17**

x1  
x1  
5.8 mm | 15/64" x2  
5.8 mm | 15/64" x1  
x3



**18**

x1  
x1  
5.8 mm | 15/64" x2  
5.8 mm | 15/64" x1  
x3

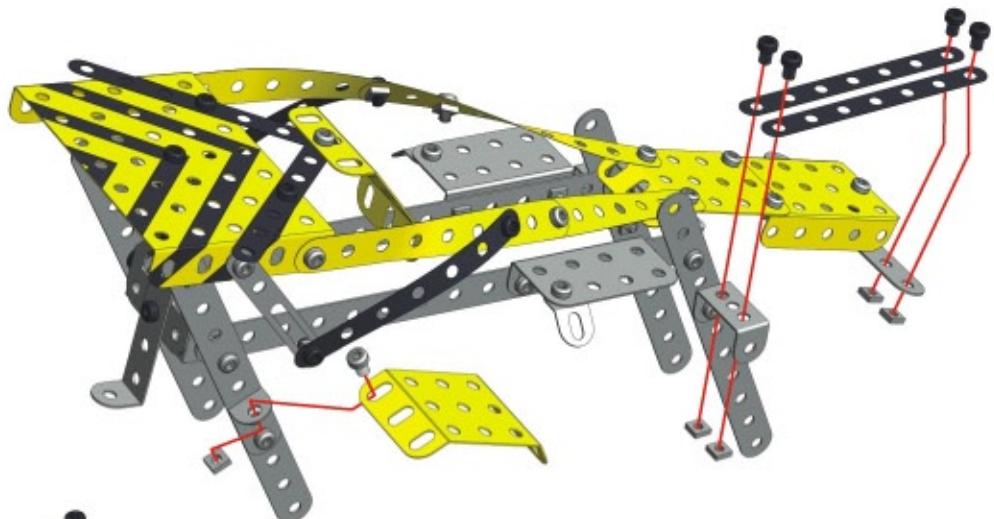


**19**

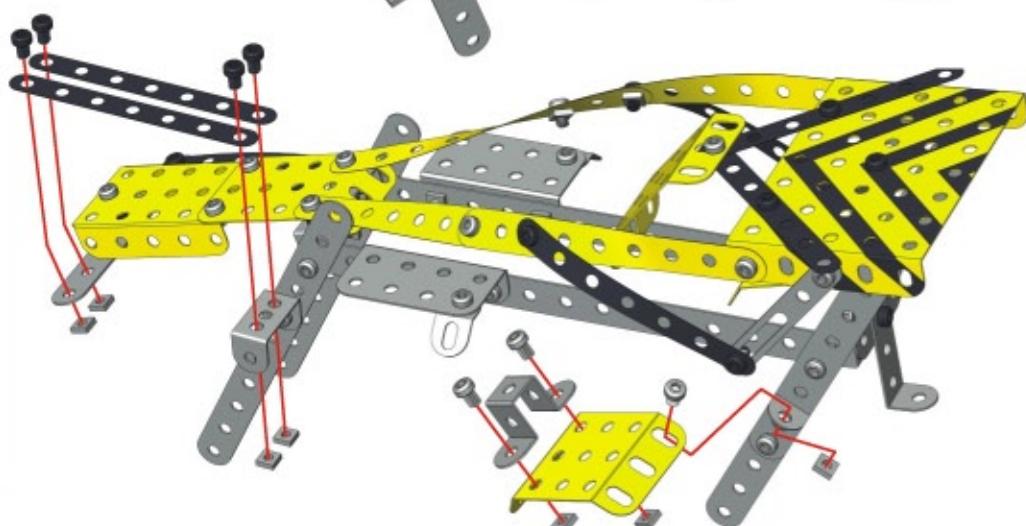
x2  
x1  
5.8 mm | 15/64" x2  
5.8 mm | 15/64" x1  
x3

**20**

	x2
	x1
	x4
	x1
	x5

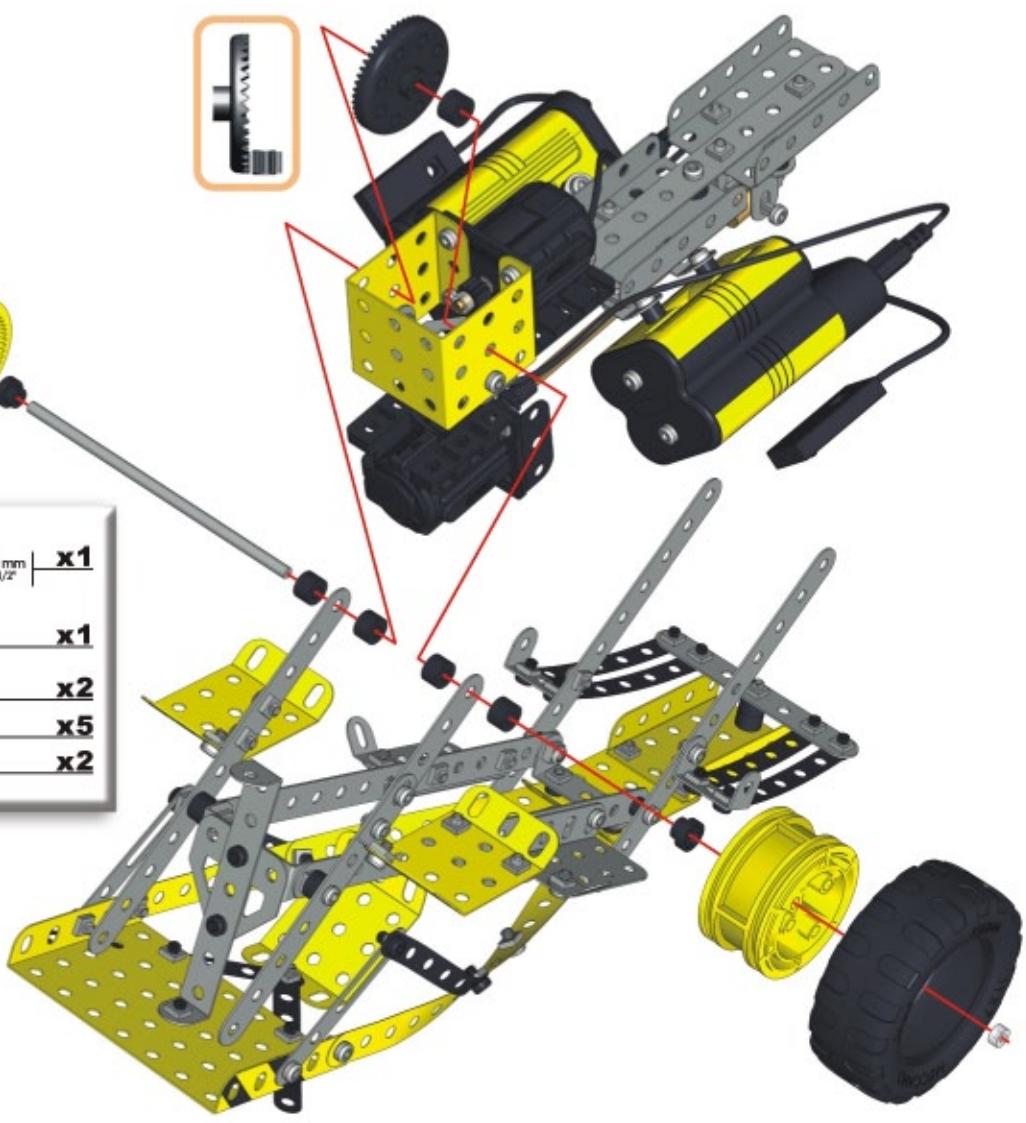
**21**

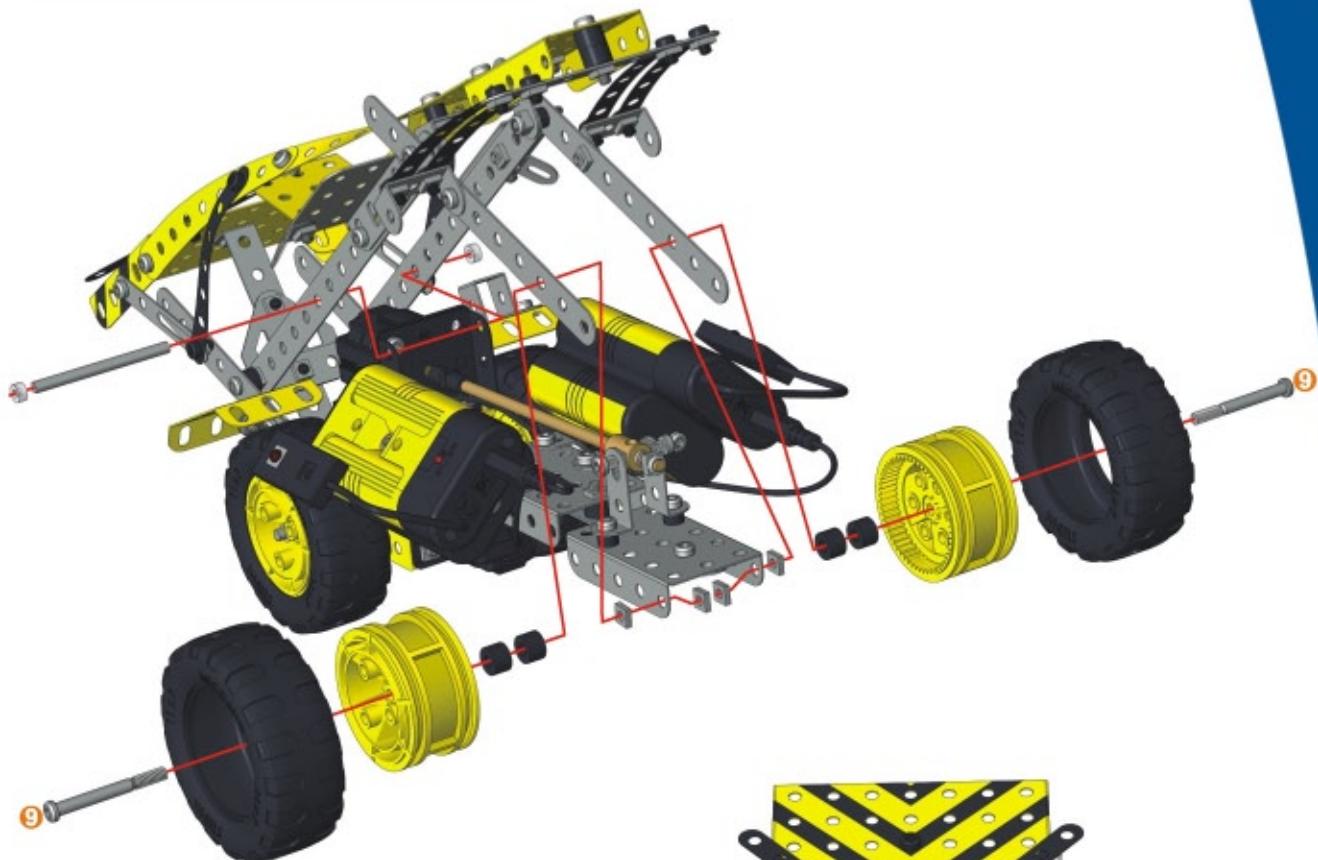
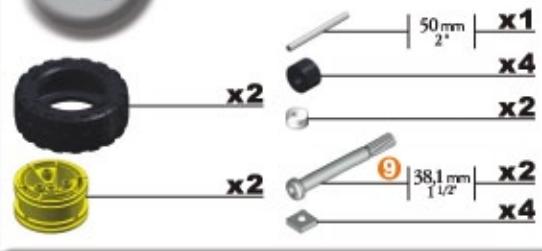
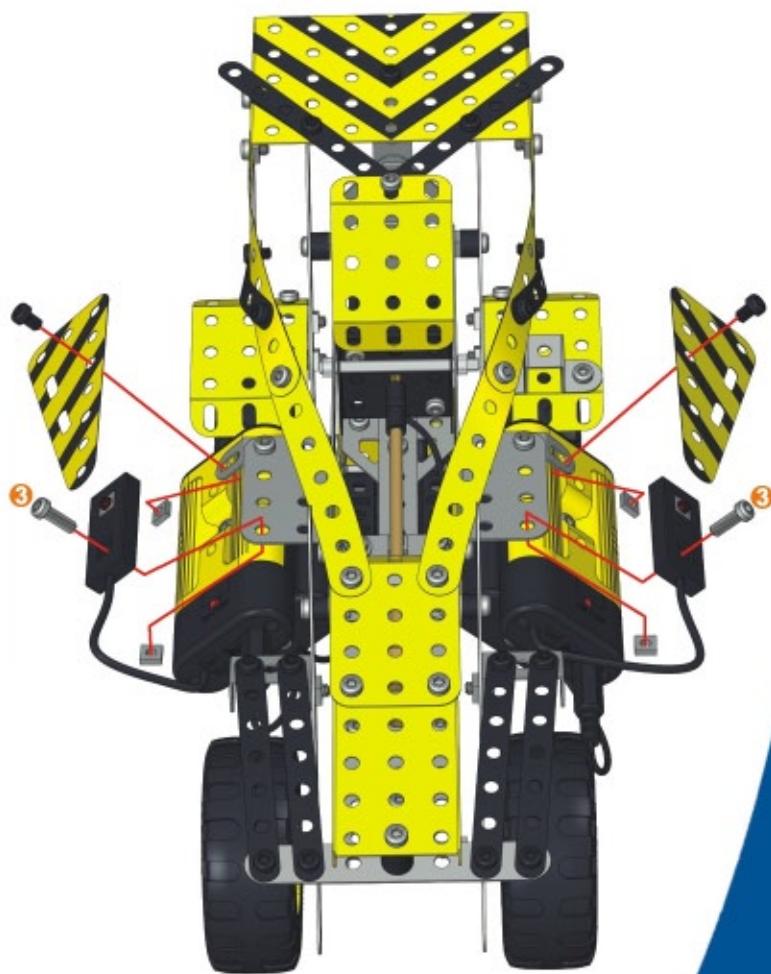
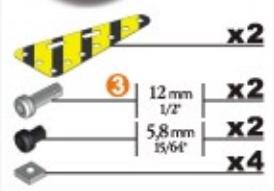
	x2
	x1
	x1
	x4
	x3
	x7

**22**

(9 + 21) +

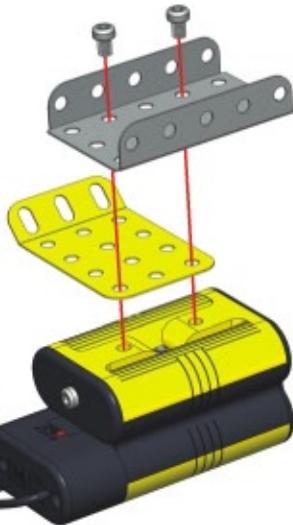
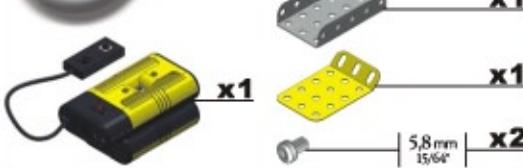
	x2
	x1
	x2
	x5
	x2



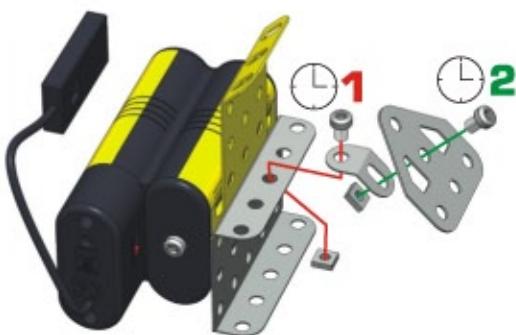
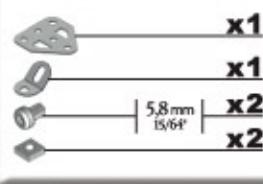
**23****24**



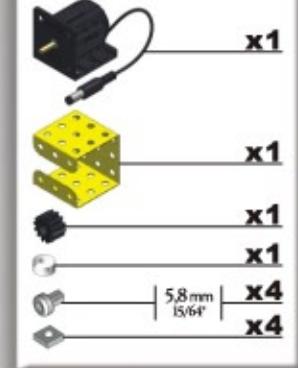
**1**



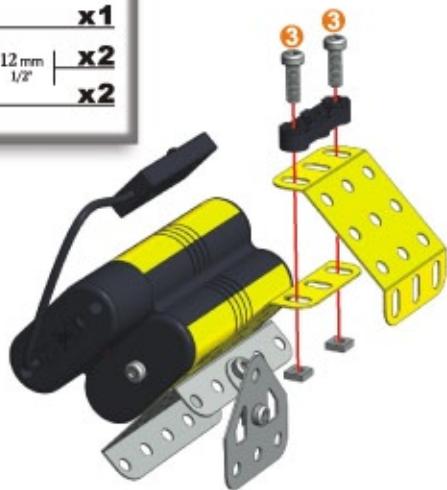
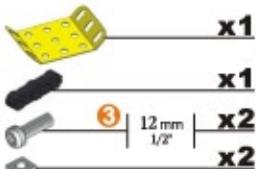
**2**



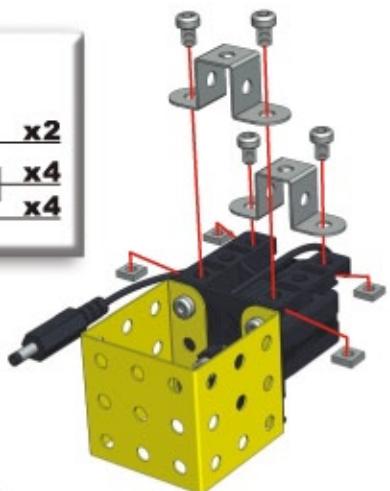
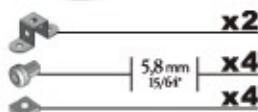
**4**



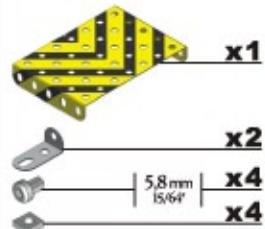
**3**

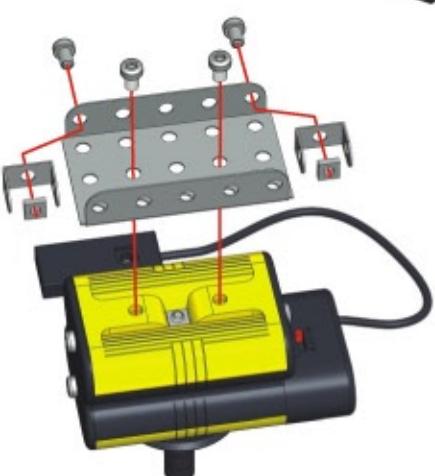
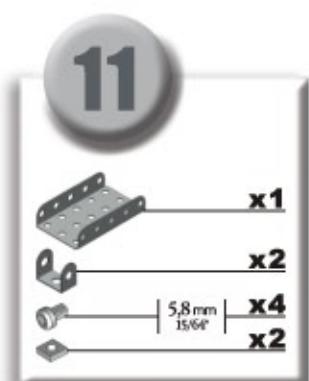
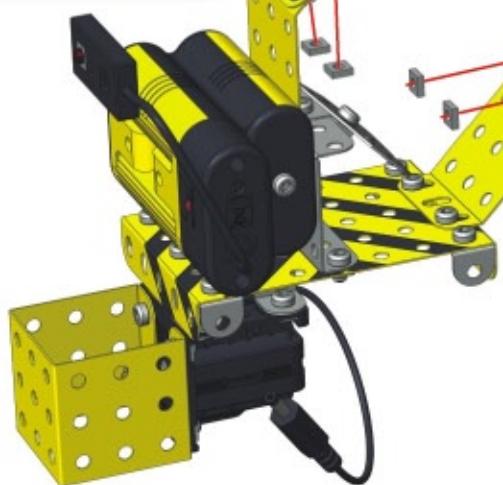
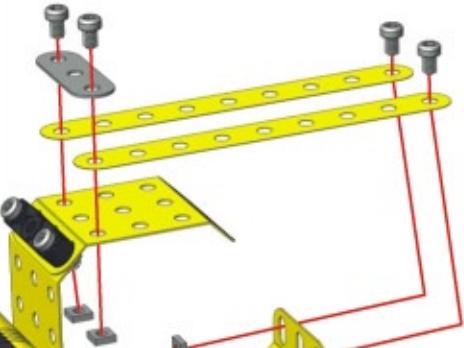
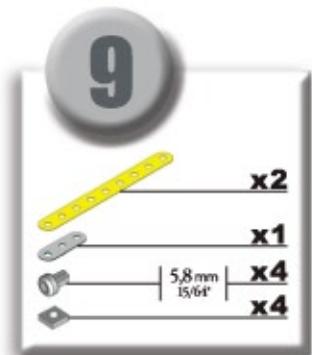
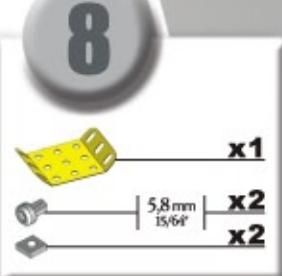
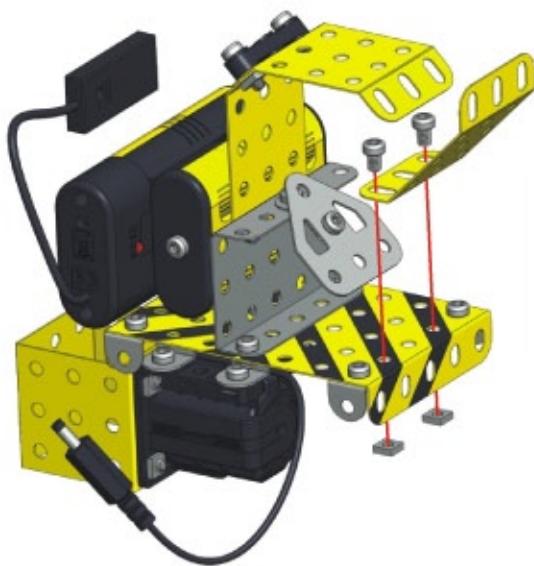
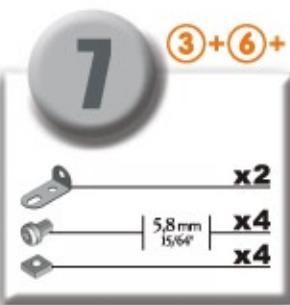
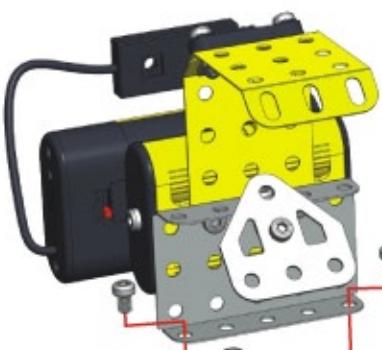


**5**



**6**

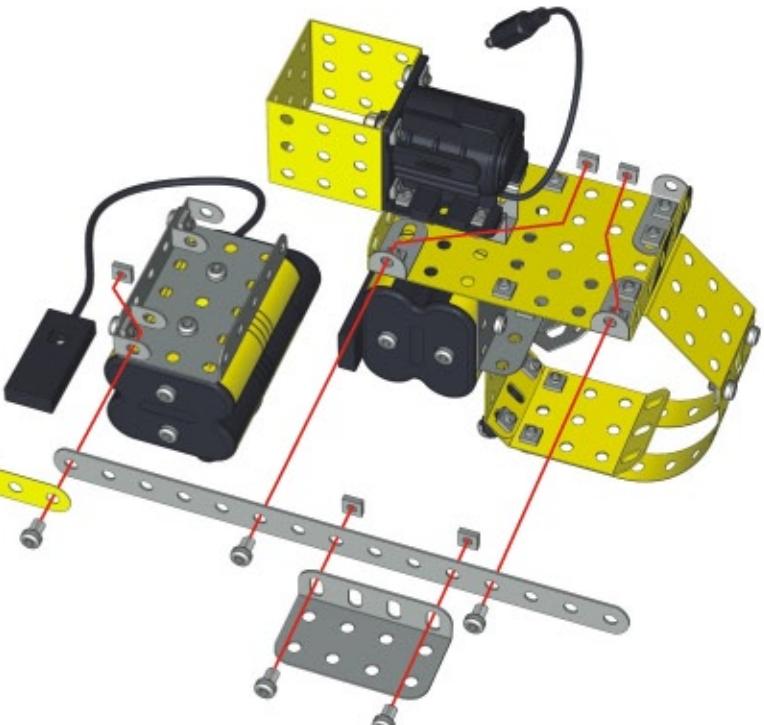




**12**

⑨ + ⑪ +

- x1
- x1
- x1
- x5**
- 5,8 mm  
15/64"
- x5**

**13**

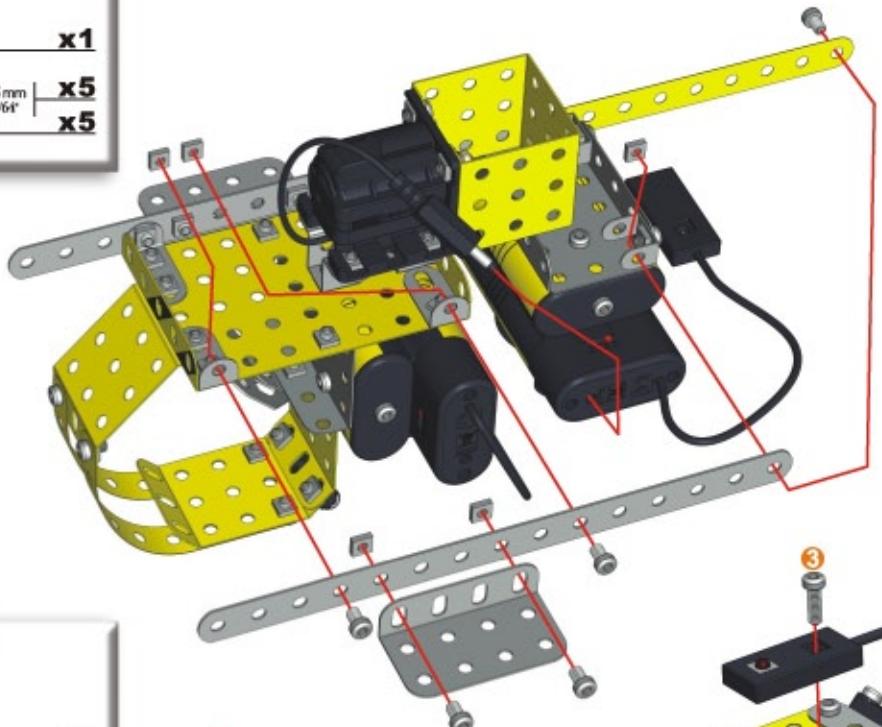
x1

x1

5,8 mm  
15/64"

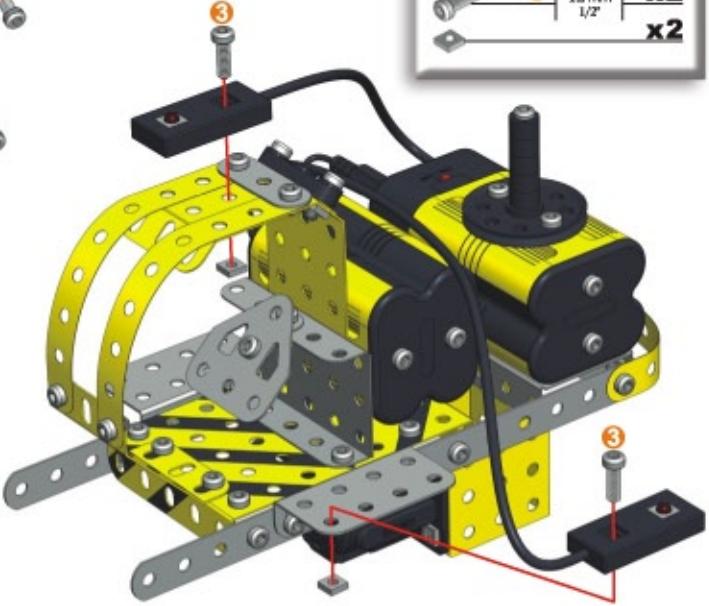
x5

x5

**14**

14

- 3
- 12 mm  
1/2"
- x2**
- 3
- x2**

**15**

x1

x1

x1

x4

38,1 mm  
1 1/2"

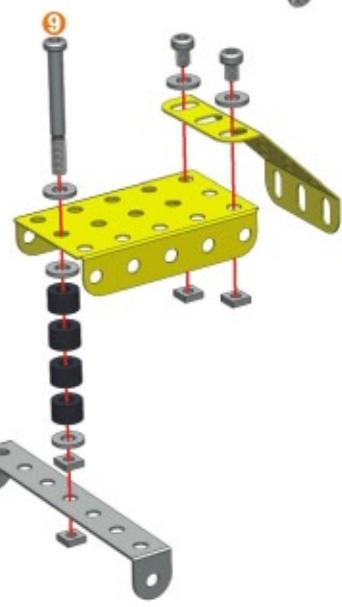
x1

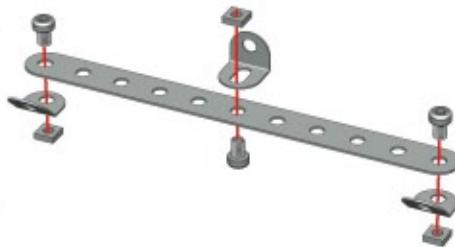
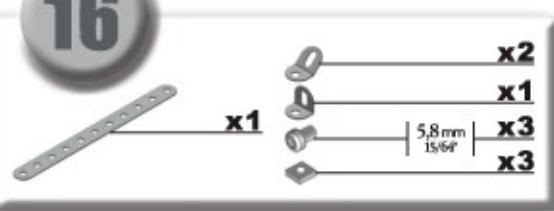
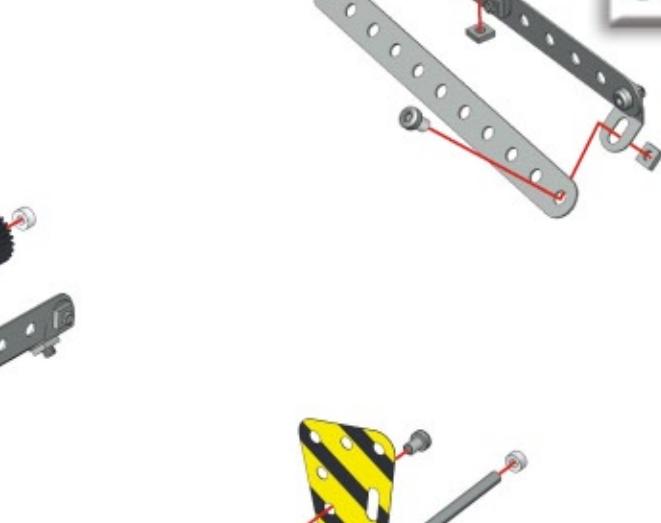
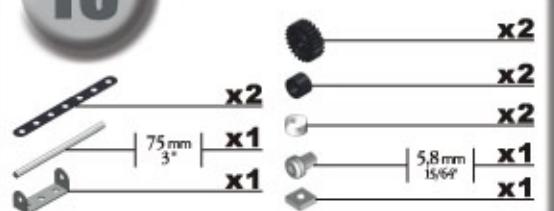
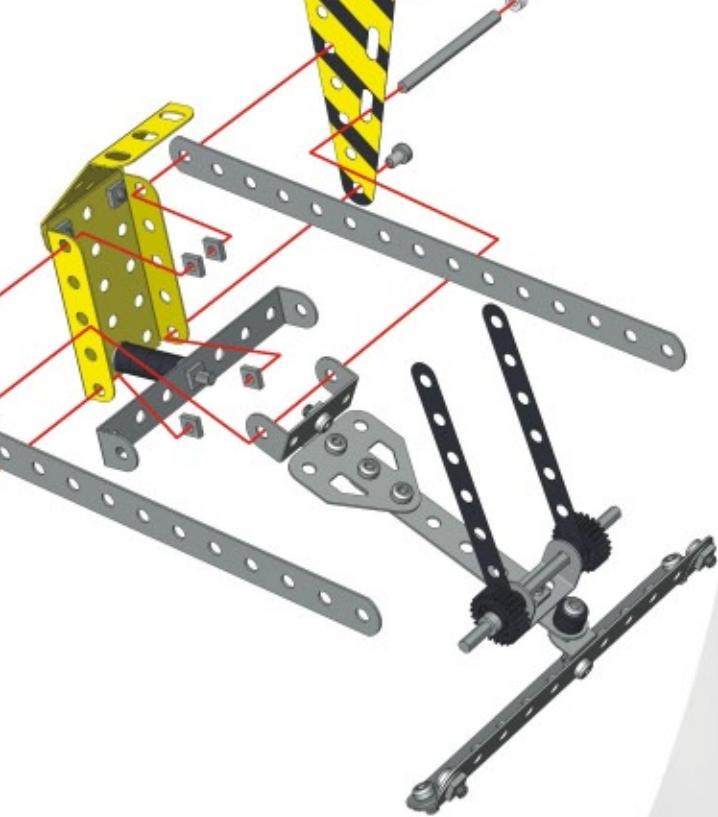
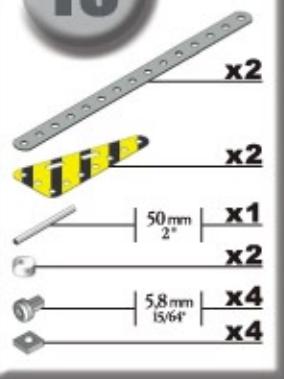
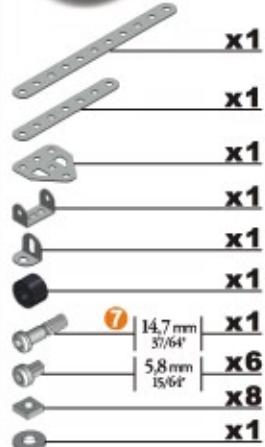
5,8 mm  
15/64"

x2

x4

x5



**16****18****19****15 + 18 +****17**

**20**

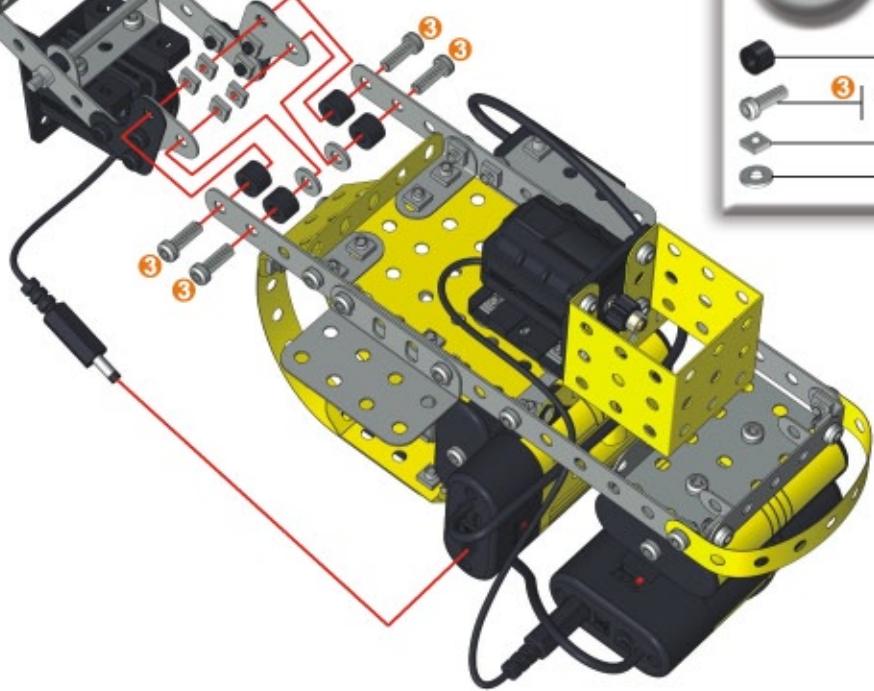
	<b>x1</b>
	<b>x1</b>
	<b>x2</b>
	<b>x1</b>
	<b>x1</b>
	<b>x1</b>
	<b>x3</b>
	<b>x1</b>
	<b>x2</b>
	<b>x2</b>

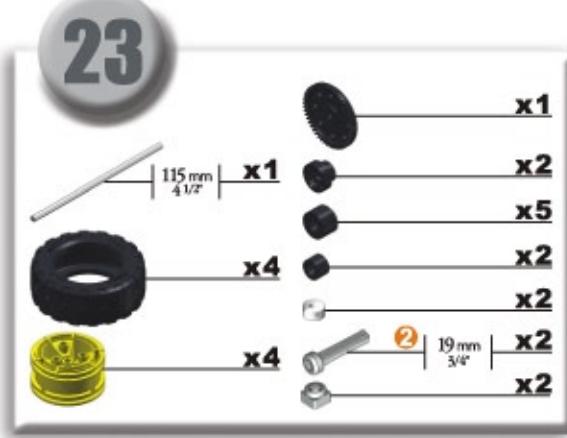
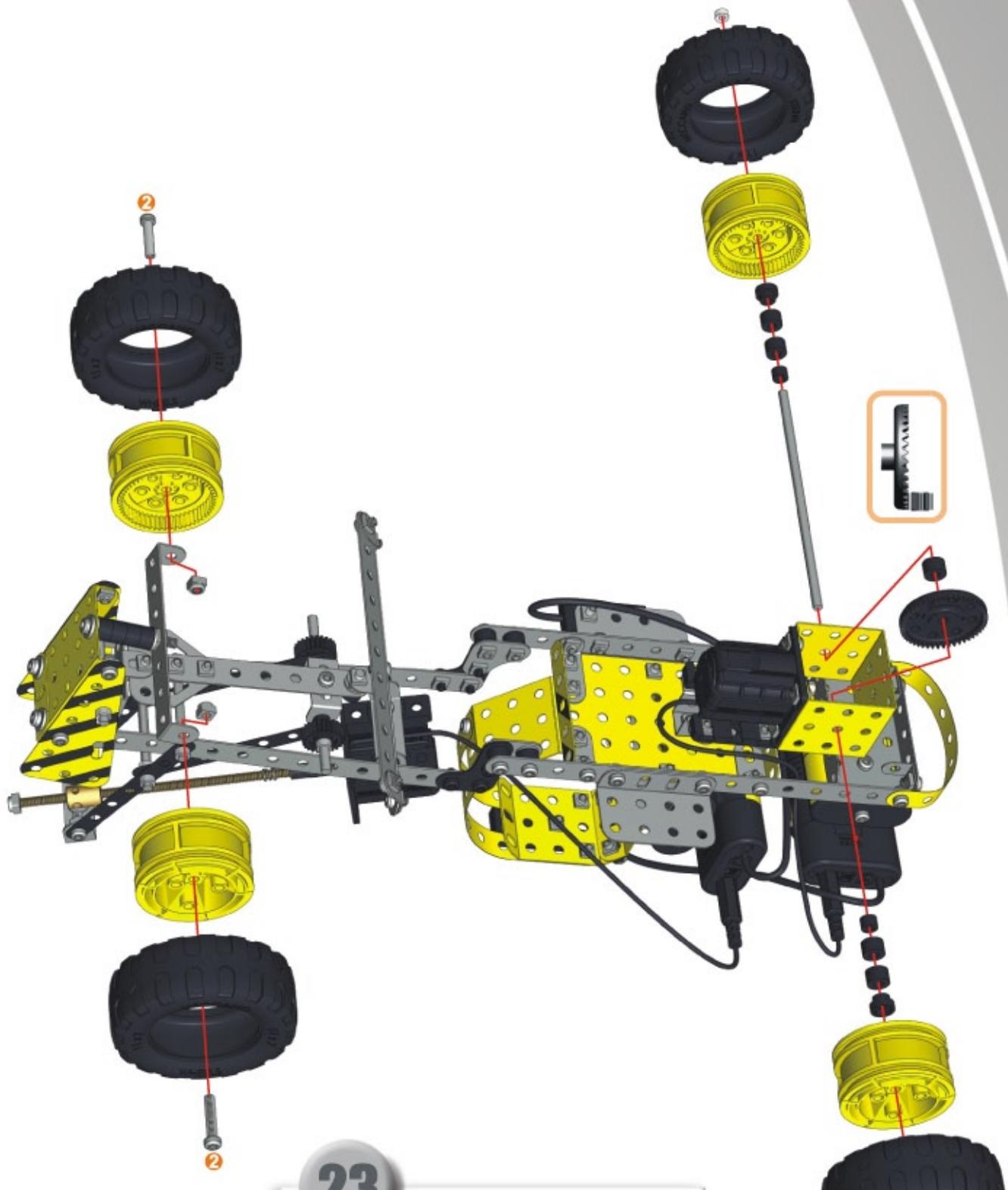
**21****(19+20)+**

	<b>x1</b>
	<b>x2</b>
	<b>x2</b>
	<b>x2</b>
	<b>x7</b>
	<b>x2</b>
	<b>x2</b>
	<b>x6</b>
	<b>x2</b>
	<b>x6</b>

**22****(14+22)+**

	<b>x4</b>
	<b>x4</b>
	<b>x4</b>
	<b>x2</b>





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**GB USA** Standard batteries must not be recharged. Rechargeable batteries must be removed from the toy before being recharged (if it is possible to remove them). Rechargeable batteries must only be recharged under adult supervision (if it is possible to remove them). Do not mix different types of batteries together or new with old rechargeable / non rechargeable batteries. Only batteries of the recommended type or a similar type should be used. Batteries must be fitted in accordance with their instructions. Remove used batteries from the toy. Battery terminals must not be short-circuited. Please keep instructions.

**F** Les piles ne doivent pas être rechargeées. Les accumulateurs doivent être enlevés du jouet avant d'être chargés (si'ils peuvent être enlevés). Les accumulateurs ne doivent pas être chargés que sous la surveillance d'un adulte (si'ils peuvent être enlevés). Différents types de piles ou accumulateurs ou des piles ou accumulateurs neutres et usagés ne doivent pas être mélangés. Seuls des piles ou accumulateurs du type recommandé ou d'un type similaire doivent être utilisés. Les piles et accumulateurs doivent être mis en place en respectant la polarité. Les piles et accumulateurs usagés doivent être enlevés du jouet. Les bornes d'une pile ou d'un accumulateur ne doivent pas être mises en court-circuit. Indications à conserver.

**D** Die Batterien dürfen nicht wieder aufgeladen werden. Die Akkus müssen vor dem Nachladen aus dem Spielzeug genommen werden (wenn sie ausgebaut werden können). Die Akkus dürfen nur unter Aufsicht eines Erwachsenen nachgeladen werden (wenn sie ausgebaut werden können). Unterschiedliche Arten von Batterien und Akkus oder neue und gebrauchte Batterien bzw. Akkus dürfen nicht zusammen verwendet werden. Es dürfen nur Batterien bzw. Akkus der empfohlenen Art oder einer ähnlichen Art verwendet werden. Beim Einsetzen der Batterien bzw. Akkus auf die richtige Polung achten. Verbrauchte Batterien bzw. Akkus bitte aus dem Spielzeug entfernen. Die Klemmen der Batterien bzw. Akkus dürfen nicht kurzgeschlossen werden. Diese Anweisungen bitte aufzuhören.

**I** Le pile non devono essere ricaricate. Gli accumulatori devono essere tolti dal giocattolo prima di essere caricati (se è possibile toglierli). Gli accumulatori devono essere caricati solo sotto le sorveglianze di un adulto (se è possibile toglierli). Non possono essere mescolati tipi diversi di pile o di accumulatori oppure pile o accumulatori nuovi e usati. Si devono usare solo pile o accumulatori del tipo raccomandato o di un tipo simile. Le pile e gli accumulatori devono venire sistemati rispettando la polarità. Le pile e gli accumulatori usati devono essere tolti dal giocattolo. I morsetti di una pila o di un accumulatore non devono essere messi in cortocircuito. Conservare queste istruzioni.

**E** Las pilas no deberán recargarse. Habrá que retirar los acumuladores del juguete antes de proceder a recargarlos (si es que pueden retirarse). Los acumuladores sólo se recargarán bajo la vigilancia de una persona adulta (si es que pueden retirarse). No deberán mezclarse diferentes tipos de pilas o acumuladores o de pilas o acumuladores nuevos y usados. Sólo se utilizarán pilas o acumuladores del tipo recomendado o de un tipo similar. Las pilas y acumuladores deberán colocarse respetando la polaridad. Deberán retirarse del juguete las pilas y acumuladores usados. Los bornes de una pila o de un acumulador no deberán disponerse nunca en posición de cortocircuito. Conservar estas indicaciones.

**P** As pilhas não devem ser novamente carregadas. Os acumuladores devem ser removidos do brinquedo antes de serem carregados (caso possam ser removidos). Os acumuladores devem ser carregados apenas sob cuidados de um adulto (caso possam ser removidos). Diferentes tipos de pilhas ou acumuladores ou pilhas ou acumuladores novos já utilizados não devem ser misturados. Pilhas ou acumuladores do tipo recomendado ou de um tipo similar poderão ser utilizados. As pilhas e acumuladores devem ser inseridos, respeitando a polaridade. Devem ser removidos do brinquedo as pilhas e acumuladores já utilizados. Os pilhas de uma pilha ou de um acumulador não devem ser curto-circuitados. Indicações a conservar.

**S** Många modeller och delar bildar en unik och original formgivning vilken är MECCANO egendom. Dessa modeller och delar är skyddade genom lagstiftning såsom industriell formgivning, varumärke och/eller upphovsrätt i flera länder. För mer detaljerad information, var vänlig och kontakta MECCANO. MECCANO främrar sig allt ansvar i händelse av olycka till följd av (I) att monteringsinstruktionerna inte har respekterats (II) en annan användning av delarna än som står i anvisningen (III) en förändring eller förstöring av delarna. Företaget MECCANO respektar barnsäkerheten : modellerna har testats av barn.

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**DK** Være mange modeller og dele er originale fremstiller og ejes af MECCANO. Tegninger med fabrikationsmærker og opbørsret er lovsbeskyttede i hvert land. Yderligere oplysninger kan fås hos: MECCANO. MECCANO frusiger sig ethvert ansvar, såfremt der er sket uheld for følgeligt af (I) at monteringsinstruktionerne ikke er blevet overholdt, (II) at delene er blevet brugt til andre formål, end dem der er beskrevet i betjeningsvejledningen, (III) eller at delene er blevet beskadiget eller ændret, MECCANO overholder sikkerhedsreglerne for børn: Alle modeller testes af børn.

**NL** Veel modellen en onderdelen zijn originele ontwerpen en eigendom van MECCANO en worden beschermd door de nationale wetgevingen op tekeningen en modellen, merken en/of auteursrechten. Voor informatie geive contact op te nemen met MECCANO. De verantwoordelijkheid van MECCANO is uitgesloten in geval van ongevalvoorkomen uit het niet naleven van de montage-instructies (I), uit het gebruik van andere onderdelen dan die zoals vermeld in de handleiding (II) of uit het veranderen of modifieren van de onderdelen (III). De firma MECCANO neemt de veiligheid van de kinderen in acht : de modellen zijn door kinderen getest.

**GR** Πολλά μοντέλα και ανταλλακτικά είναι αυθεντικά, ιδιοκτητικά της MECCANO και προστατεύονται από τις εθνικές νομοθεσίες για τα μοντέλα της μάρκας ή τα διπλώματα ευρεστηκόντων. Για κάθε πληροφορία για κάθε πληροφορία παρακαλούμε συμβουλέψεις στην MECCANO. Η ευθύνη της MECCANO δεν δεσμεύεται σε περίπτωση απαγόρευσης που έγινε συνεχεία (I) με αεβασμό των συδημών συναρμολόγησης (II) χαρήσης των τεμαχίων (διαφορετική αποθήκευση) από αυτήν που προτείνεται στις συδημίες (III) καταστροφή ή αλλαγή των τεμαχίων. Η εταιρεία MECCANO δέχεται την αεφάλεια των παιδιών: τα μοντέλα της δοκιμάζονται από παιδιά.

**JPN** モデルならびに部品は、多くのが MECCANO 社所有のオリジナル・デザインで、意匠・商標および/または著作権に関する国内法によって保護されています。詳細については、当社 (MECCANO) メカノ社は (I) 独立の往復事項を守らなかつた場合、(II) 使用説明書に記されたもの以外の部品を使用した場合、(III) 部品を変更・改造した場合などに起きた事故については責任を負うことはできません。メカノ社の全モデルは事務に子供たちによりテ스트を行い、その安全性を確認しております。

**S** Batterierne skal ikke laddes om. Akkumulatorbatterierne skal tas av från leksaken innan de laddas (om de kan tas av). Akkumulatorbatterierne skal endast laddas under uppsikt av en vuxen (om de kan tas av). Olika typer av batterier eller akkumulatorbatterier ska inte blandas. Nya och använd batterier eller akkumulatorbatterier ska inte blandas. Använd endast rekommenderade typer eller likartade typer av batterier eller akkumulatorbatterier. Batterierne och akkumulatorbatterierne skal sättas in i högslut till polerna. Använd batterier och akkumulatorbatterier ska tas av från leksaken. Kontakta oss på ett batteri eller ett akkumulatorbatteri ska inte kortslutas. Bevara anvisningarna.

**FIN** Paristoja ei saa ladata uudelleen. Akun otetaan ulos leikkikalustosta ennen lataamista (jos se on mahdollista). Akun lataaminen vain oikeaan valinnassa (jos se voidaan ottaa ulos). Eri tyypisiä paristoja tai akkuja ei saa käyttää yhdessä, samoin ei saa sekoittaa akkuja ja uusia ja vanhoja paristoja. Vain suojailetuu ekku- tai peristettyypinä osoitettu yhtä, jolla on samat ominaisuudet. Paristoja ei saa oteta ulos poikilleen niihin, ettei neuvat tulleet oikeisiin suuntiin. Lappunkirjatyttö paristo tai akut on otettava leikkikalustosta ulos. Akun tai pariston napojia ei saa oikosulkea. Ohjeet ja pideetävät.

**DK** Batteriene må ikke oplades. Akkumulatorbatterier skal tages ud af ledetøj ved at læggetejet, inden de lades op (hvis de kan tages ud). Akkumulatorbatterier må kun lades op under opsyn af voksne (hvis de kan tages ud). Forskellige typer batterier og akkumulatorbatterier, eller nye og brugte batterier, må ikke blandes sammen. Der må kun anvendes batterier eller akkumulatorbatterier af den type der er arbejdet eller tilsvarende modeller. Batterier og akkumulatorbatterier skal vandes rigtigt (+/- poler). Brugte batterier og akkumulatorbatterier skal tages ud af legetøjet. Klemmerne på et batteri eller et akkumulatorbatteri må ikke kortsluttes. Disse instruktioner bør opbevares.

**NL** De batterijen mogen niet weer opgeladen worden. De accu's moeten voor het laden uit het speelgoed verwijderd worden (indien ze verwijderd kunnen worden). Gebruik geen verschillende typen batterijen of accu's of gebruik een nieuwe batterijen of accu's door elkaar. Gebruik alleen batterijen of accu's van het combinatie type of van een gelijkwaardig type. Let bij het plaatsen van de batterijen en accu's goed op de juiste polariteit. De verbruikte batterijen en accu's dienen uit het speelgoed verwijderd te worden. De aansluitingen van een batterij of van een accu mogen niet kortgesloten worden. Aanwijzingen om te bewaren.

**GR** Οι μπαταρίες δεν πρέπει να επαναφέρονται. Οι αισιοδοξώς πρέπει να αφαρούνται από το παιχνίδι πριν τη φόρηση (αν μπορούν να αφαρεθούν). Οι αισιοδοξώς πρέπει να φορτίζονται μόνον μετά την επιλογή εντός (αν μπορούν να αφαρεθούν). Δεν πρέπει να αναστεβούνται διάφοροι. Τύποι μπαταρίες ή αισιοδοξώς που αντιστοιχούν την ίδια παρόμοια τύπου. Οι μπαταρίες και οι αισιοδοξώς πρέπει να αφαρούνται από το παιχνίδι. Οι πάλι μπαταρίες ή ανάς αισιοδοξώς δεν πρέπει να βροχοκάνενται. Διατηρήστε τις οδηγίες.

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**USA** Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.

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Warning: Not suitable for children  
under 36 months due to small parts  
which may constitute a choking hazard.

