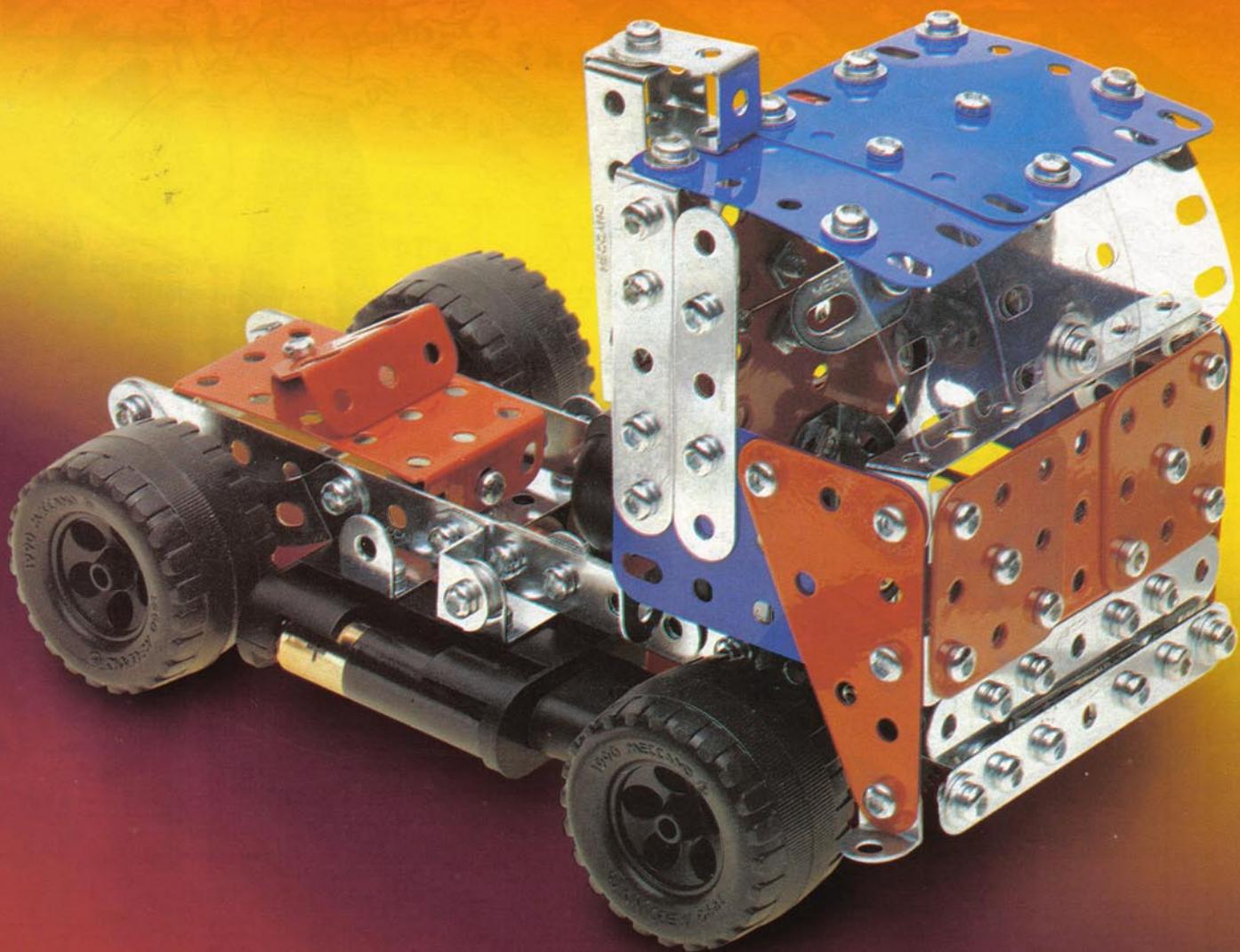


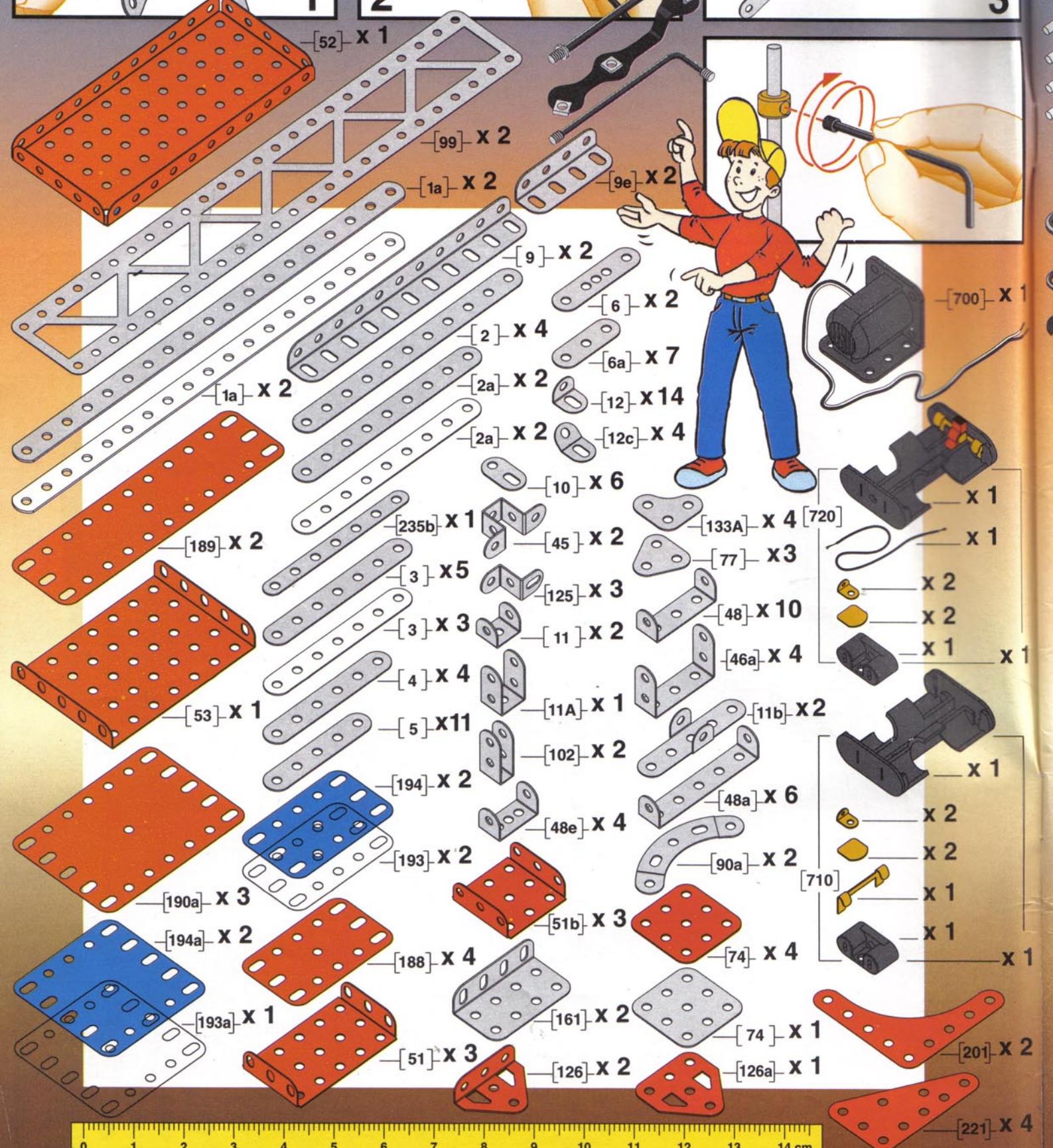
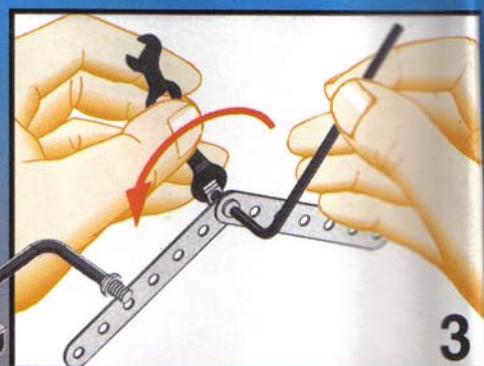
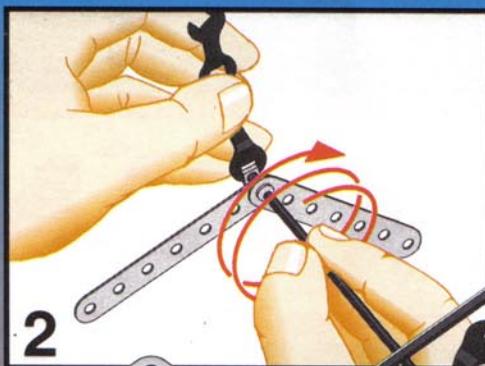
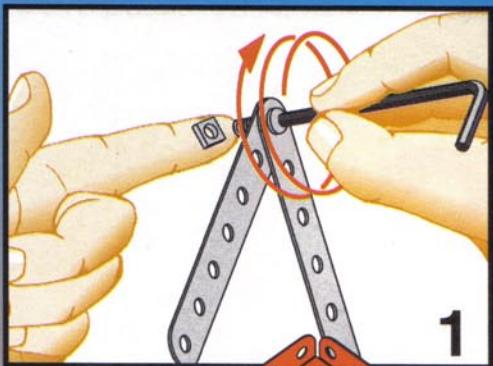
MECCANO®

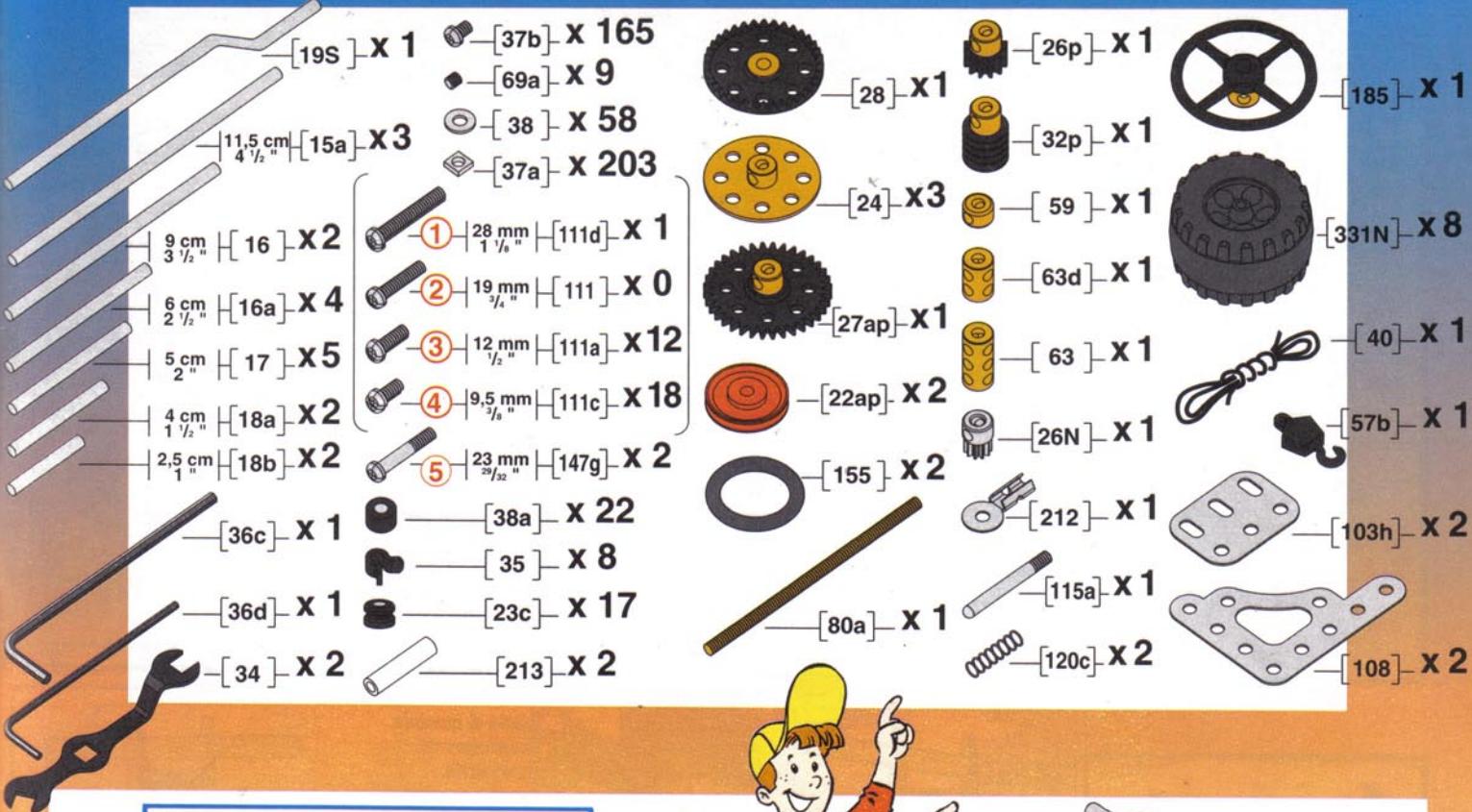


LEAFLET
ANLEITUNG
ISTRUZIONI
BROSCHYR
OHJEET
VEJLEDNING

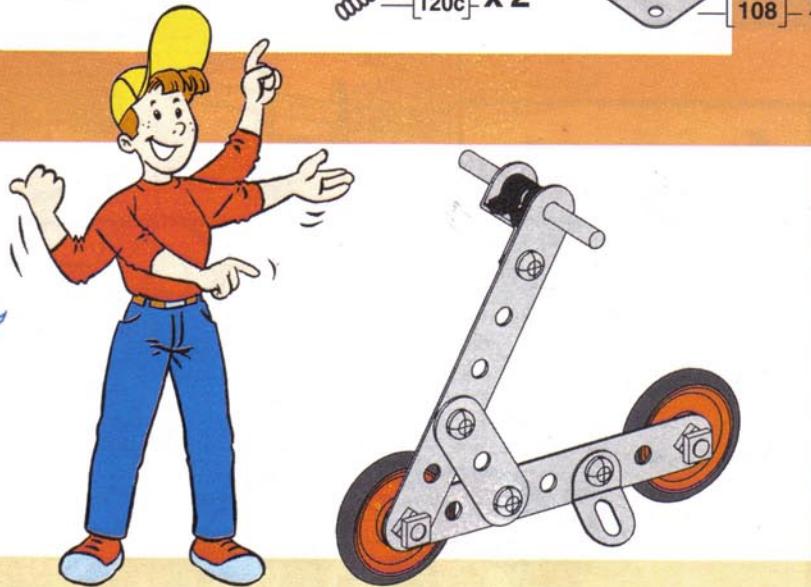
NOTICE
INSTRUCCIONES
BESCHRIJVINGEN
INSTRUÇÕES
ΟΔΗΓΙΕΣ
説明書

7064

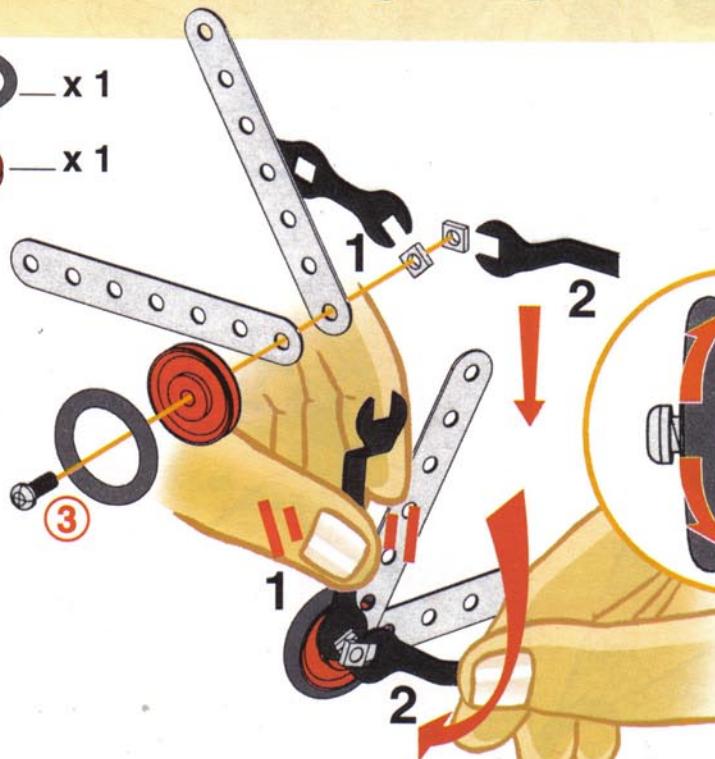
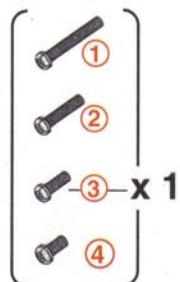


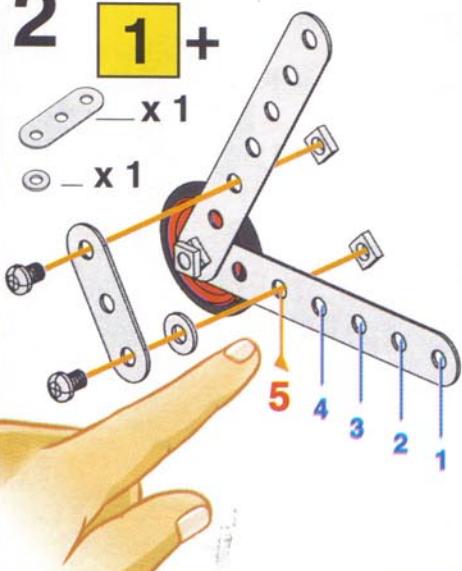


Follow the instructions step by step.
Suis le montage étape par étape.
Folge die Anleitung Schritt für Schritt.
Segui queste istruzioni punto per punto.
Följ bygganvisningen steg för steg.
Seuraa ohjeita vaihe vaiheelta.
Følg samleanvisningerne skridt for skridt.
Sigue el montaje paso a paso.
Volg de montage stap voor stap.
Segue as instruções passo a passo.
Ακολουθείς τις οδηγίες κατά γράμμα
写真を見て順番に従って、組み立てよう。

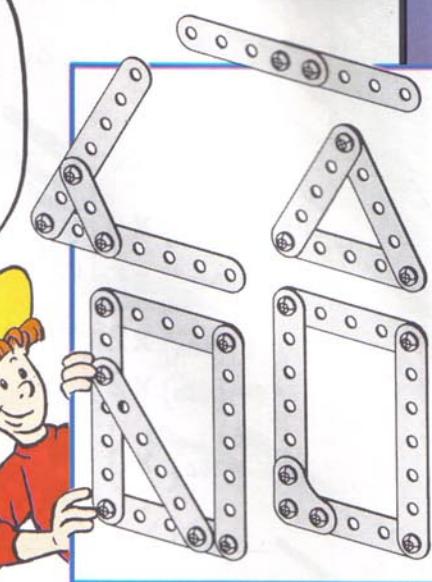


1

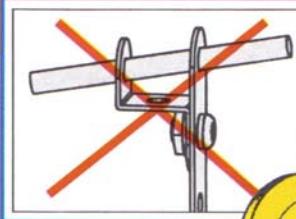


2**1 +****3****2 +**

Rigid assemblies.
Assemblages rigides.
Fester Zusammenbau.
Assemblaggio rigido.
Justera monteringen.
Vahvoja liitoksia.
Faste forbindelser.
Ensamblages rígidos.
Stevige verbindungen.
Uníones rigorosas.
Σταθερή συναρμολόγηση
しっかりした組立て

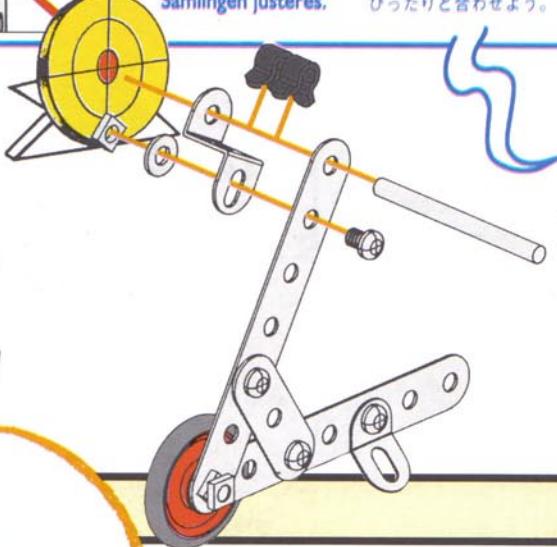
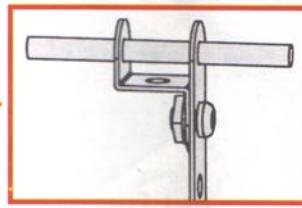
**4****3 +**

- x 1
- 5 cm
2" — x 1
- x 1
- x 2
- x 1



Adjust assembly.
Ajuste l'ensemble.
Richte alles gerade.
Sistema l'assemblaggio.
Montera förstärkning
Säädä liitos.
Samlingen justeres.

Ajusta el montaje.
Controleer de
constructie.
Ajusta a montagem.
Συναρμολόγησε
τα κομμάτια
ぴったりと合わせよう。

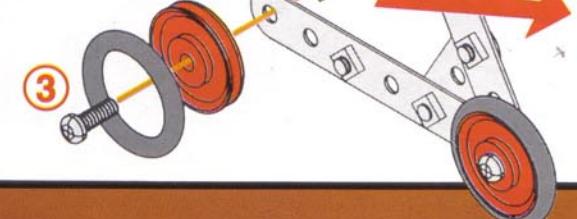
**5****4 +**

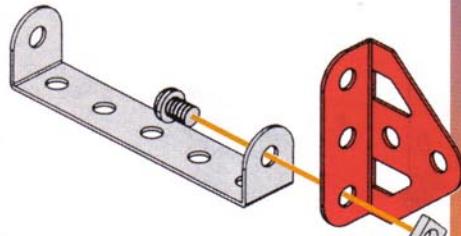
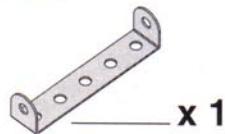
- ① — x 1
- ② — x 1
- ③ — x 1
- ④ — x 1

— x 1

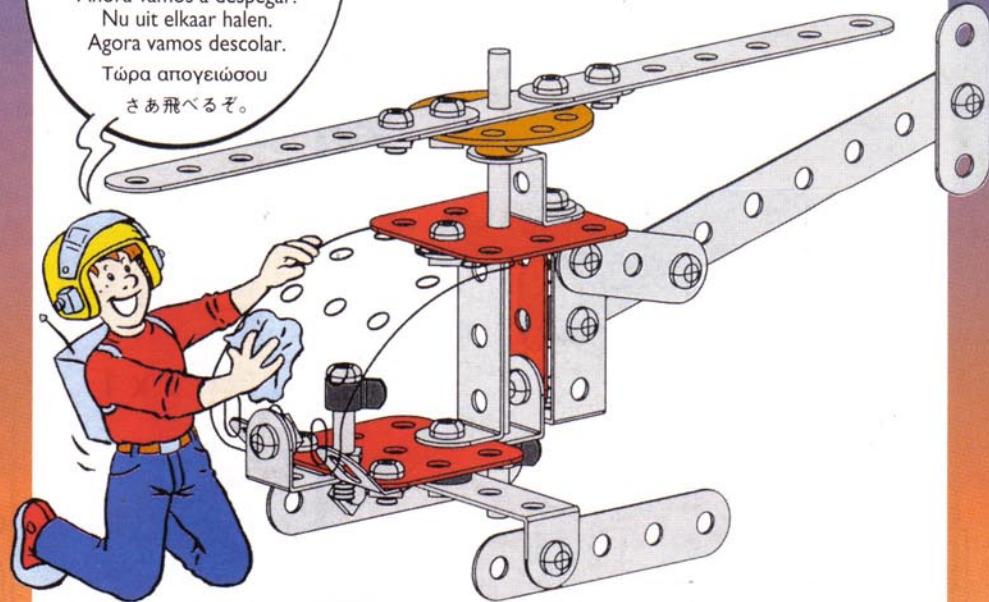
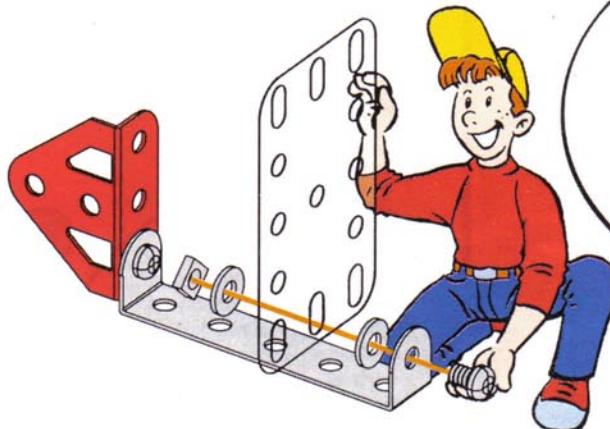
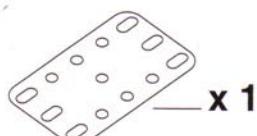
— x 1

- ③ — x 1

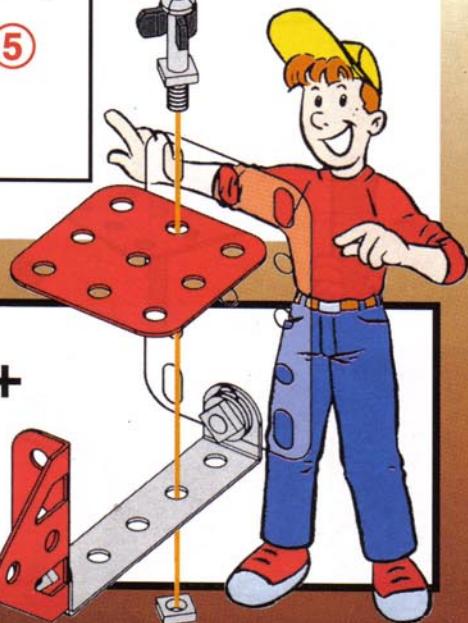
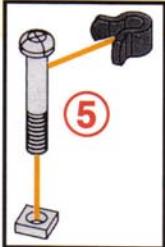
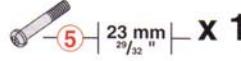
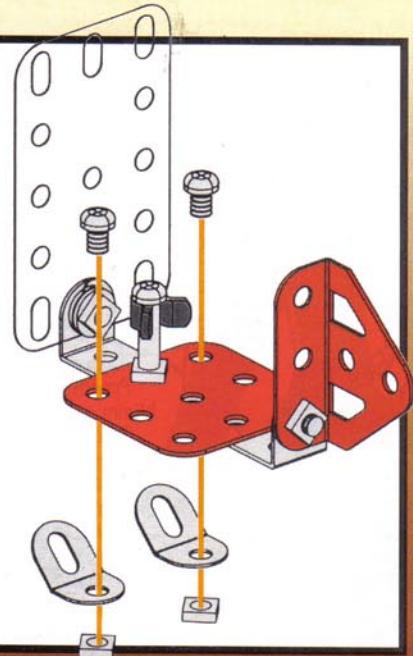


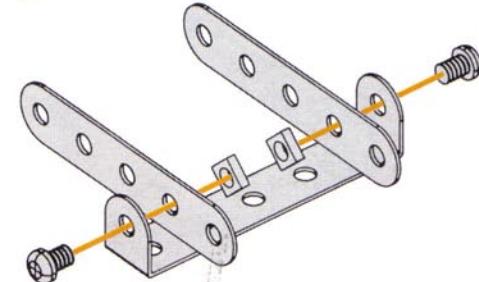
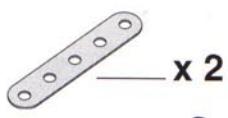
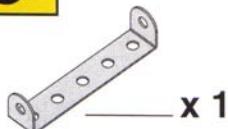
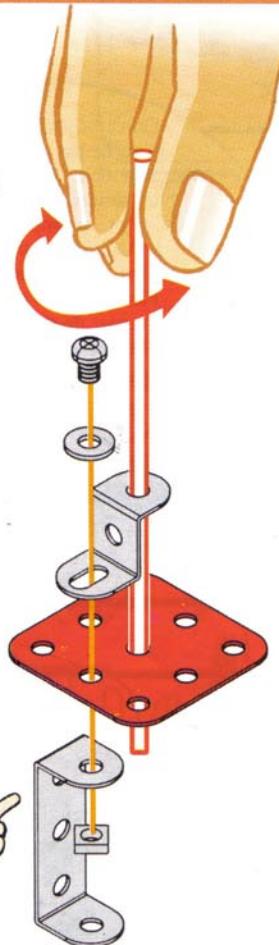
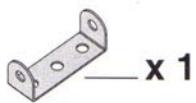
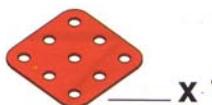
1

Now take off.
Maintenant décole.
Und jetzt hebe ab.
Ora decolla.
Nu startar vi.
Nyt valmiina nousuun.
Og nu flyver vi.
Ahora vamos a despegar.
Nu uit elkaar halen.
Agora vamos descolar.
Τώρα απογειώσου
さあ飛べるぞ。

**2****1 +**

Don't forget the washers.
N'oublie pas les rondelles.
Vergesse nicht die Dichtungsringe.
Non dimenticare le rondelle.
Glöm inte att anuända brickor.
Älä unohda prikkoja.
Glem ikke de flade skiver.
No olvides las arandelas.
Vergeet de ringetjes niet.
Não esqueças as anilhas.
Μη ξεχνάς τις ροδελες
座金を忘れないように。

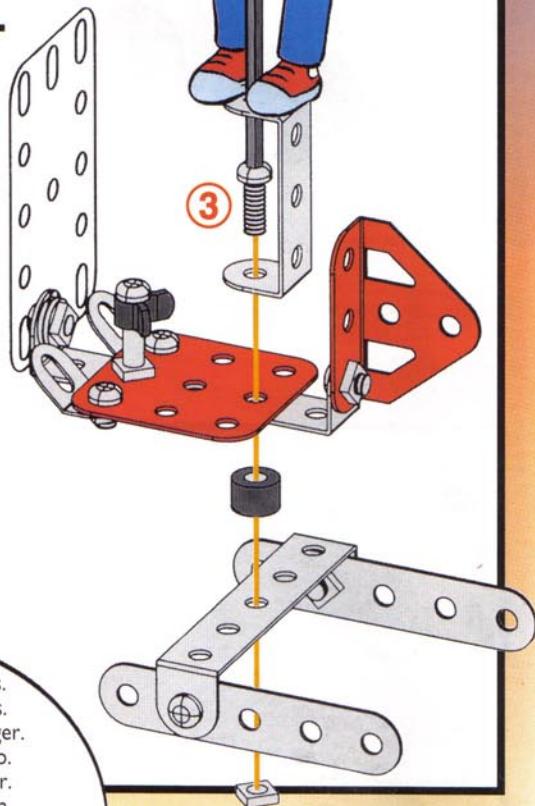
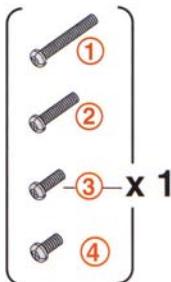
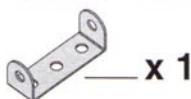
3**5****4 +****4****2 + 3 +**

6**8**

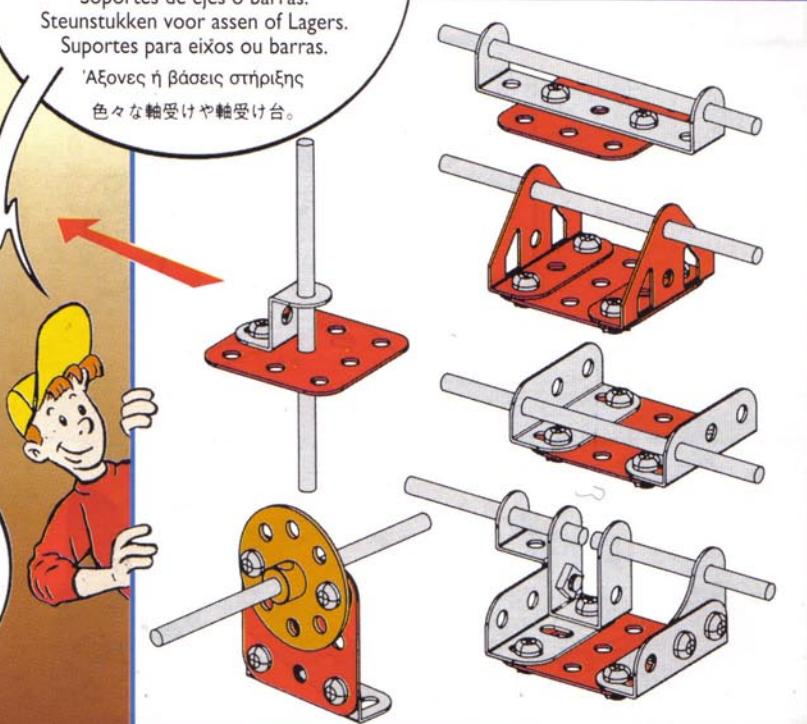
Take an axle for alignment.
Prends un axe pour aligner.
Nimm eine Achse und richte aus.
Prendi un'asse per allineare.
Rikta med hjälpsmed en axel.
Käytä akselia kohdistamiseen.
Tag on aksel og foretag udreining herefter.
Usa un eje para alinear.
Neem een as om het in één lijn te zetten.
Usa um eixo para alinhar.
Διάλεξε έναν άξονα και ευθυγράμμισε
軸に部品をセットしよう。

7

Simple !
Facile !
Ganz einfach !
Facile !
Busenkelt !
Yksinkertaista !
Let !
; Fácil !
Gemakkelijk !
Facil !
Εύχολο
かんたん、
かんたん !

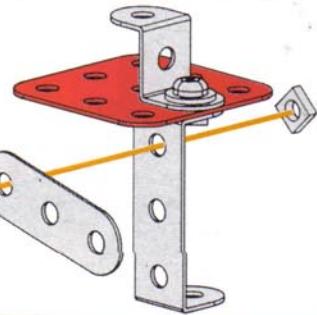
**5 + 6 +**

Axes or bearing supports.
Supports d'axes ou paliers.
Unterstützt Achsen und Lager.
Assi o sostegni di supporto.
Olika typer av axellagringar.
Aksellai ja laakerien tueta.
Aksel - og lejestøtter.
Soportes de ejes o barras.
Steunstukken voor assen of Lagers.
Soportes para eixos ou barras.
'Αξονες ή βάσεις στήριξης
色々な軸受けや軸受け台。



9 **8 +**

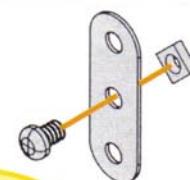
x 1



You screw without tightening.
Tu serres mais sans bloquer.
Ziehe die Schrauben leicht an.
Avvita ma senza bloccare.
Skruta ihop men spänna inte fast.
Ruuvaa kiristämättä.
Der strammes til, men uden at blokere.
Atornilla, pero sin apretar.
Aandraaien, maar niet te vast.
Aparafusa, mas sem apertar.
Βίδωσε χωρίς να μπλοκάρεις
ビスで留める。だけど、固定はしない。

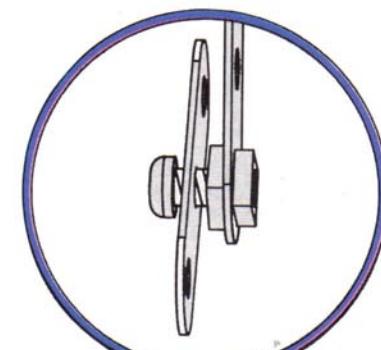
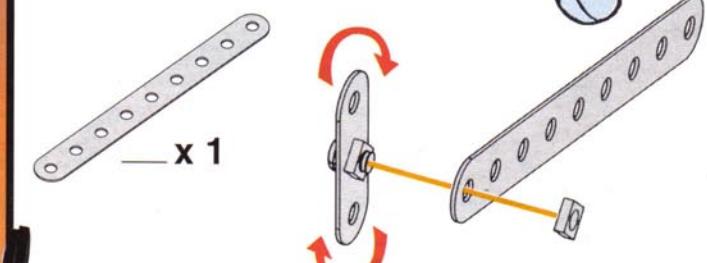
10

x 1



11 **10 +**

x 1



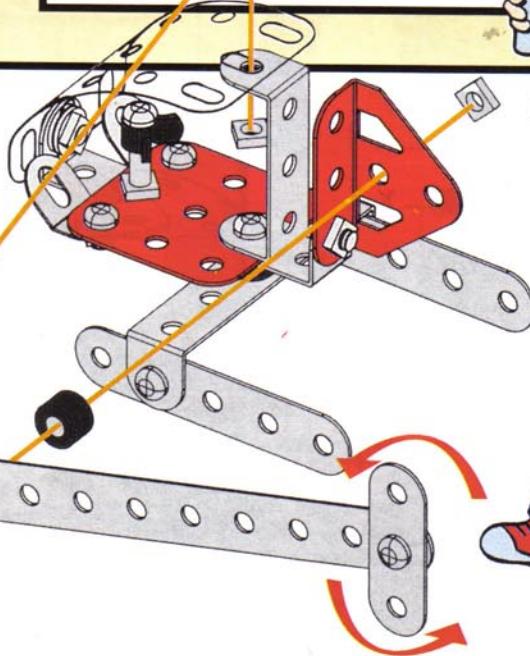
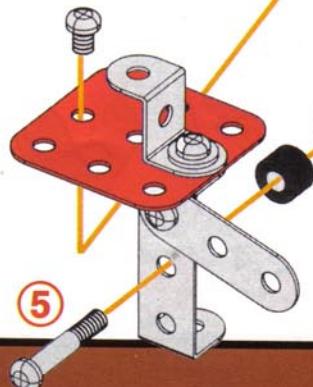
12

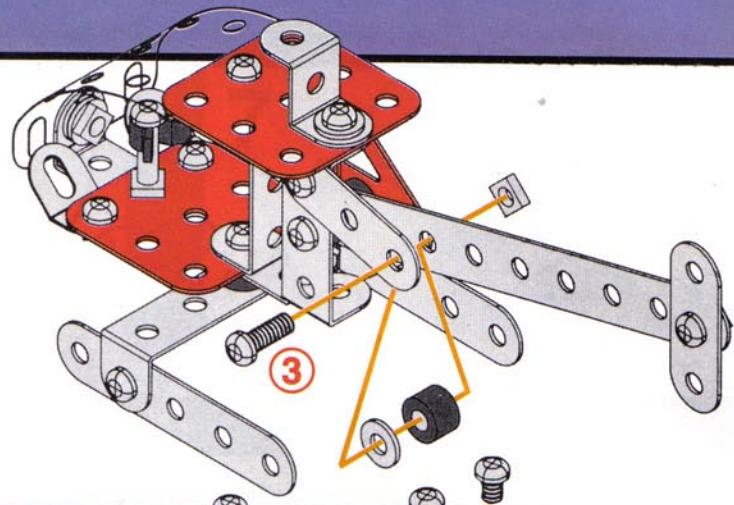
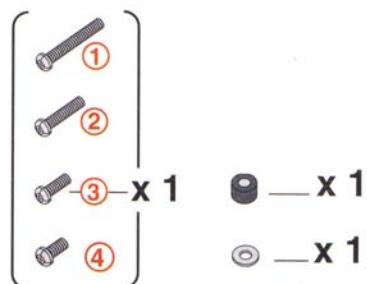
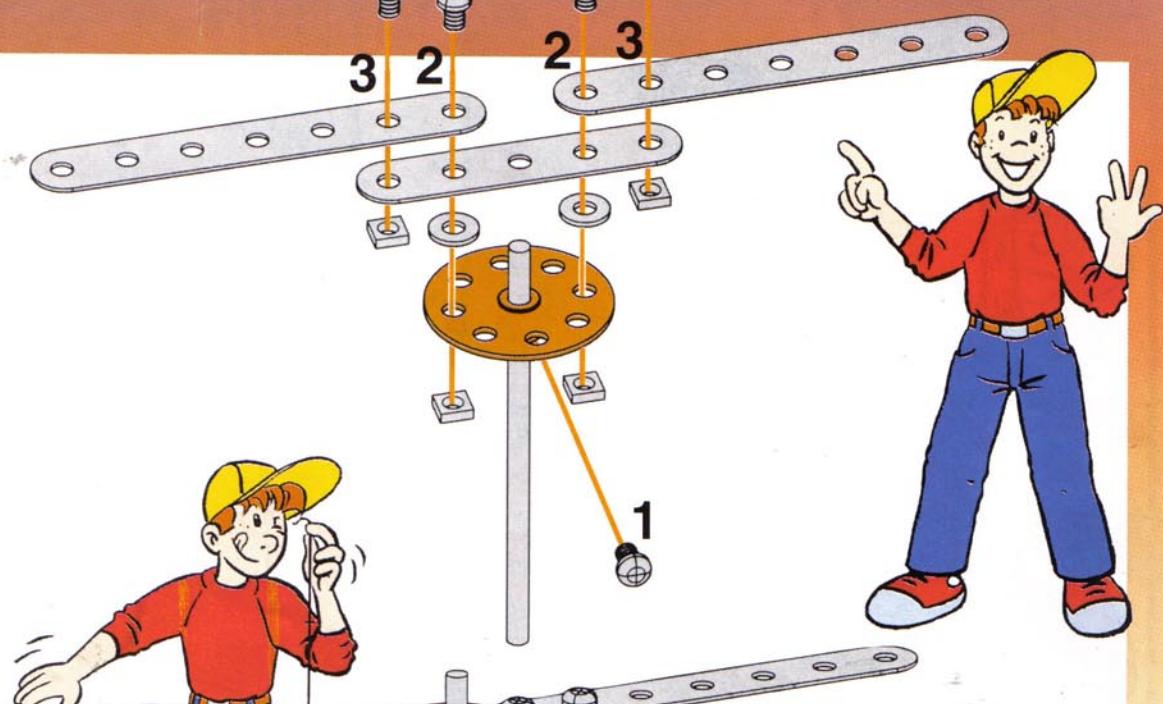
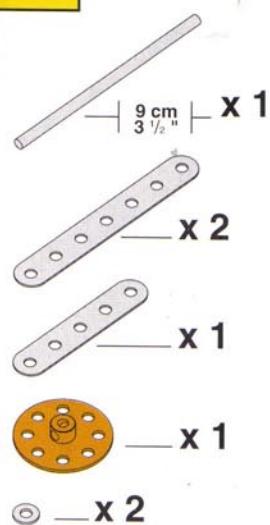
7 + 9 + 11 +

⑤ | 23 mm | x 1

x 1

x 2



13**12+****14****15**
13 + 14 +

— x 1
 ○ x 1

Align, adjust and then lock up the screws and nuts.

Alinea, règle et après bloque les vis et écrous.

Richte aus, stelle ein und dann ziehst du die Schrauben und Muttern.

Allinea, sistema e quindi blocca viti e dadi.

Rikta justera och spänna sedan fast skruv och mutter.

Kohdista, säädä ja sitten lukiitse ruuvit ja mutterit.

Der reties ud, reguleres, huorefter skruer

og møtrikker spændes til.

Alinea, ajusta y luego aprieta los tornillos y las tuercas.

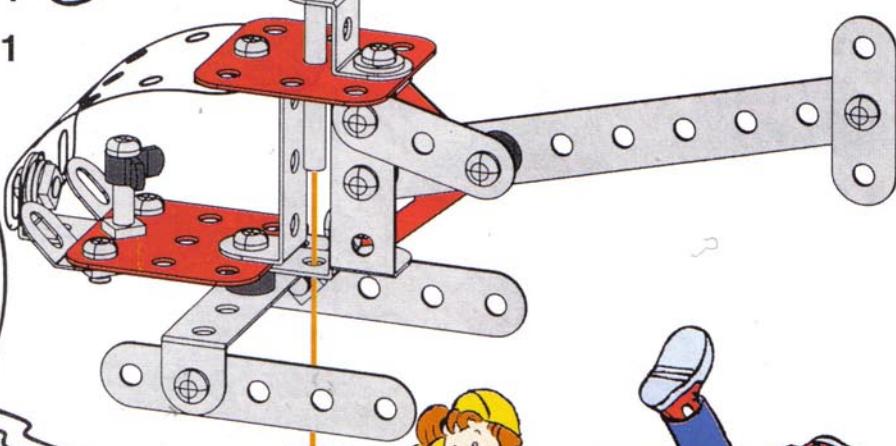
Zet in één lijn, stel af en zet daarna de schroeven (*).

Ευθυγράμμισε, σύθισε και πιλόχαρε

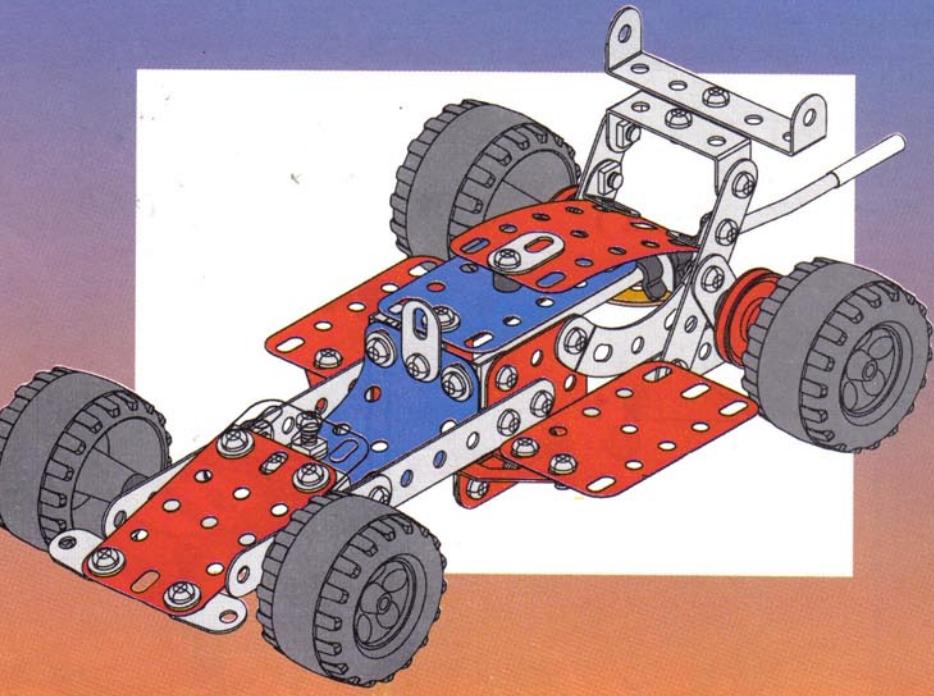
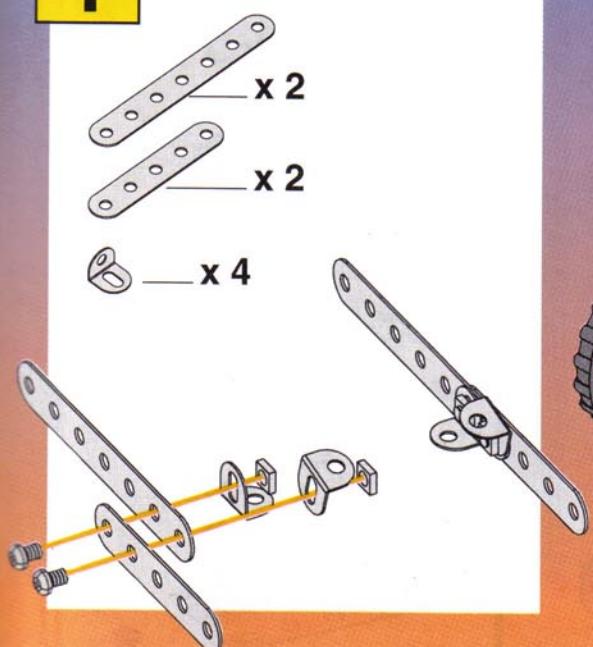
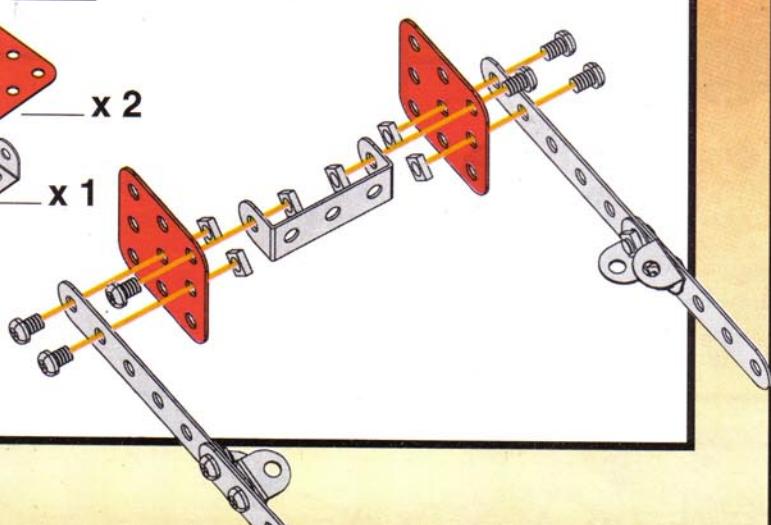
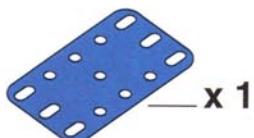
τις βιότες και τα παξιμάδια

並べて、合わせてから、

ピスとナットで固定する。

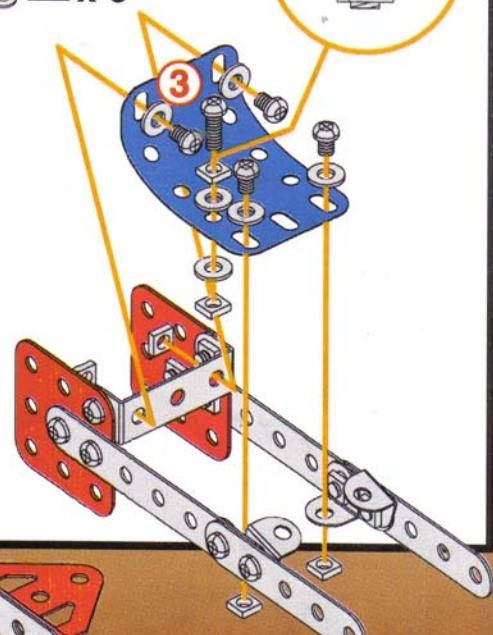
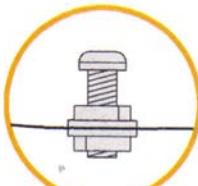
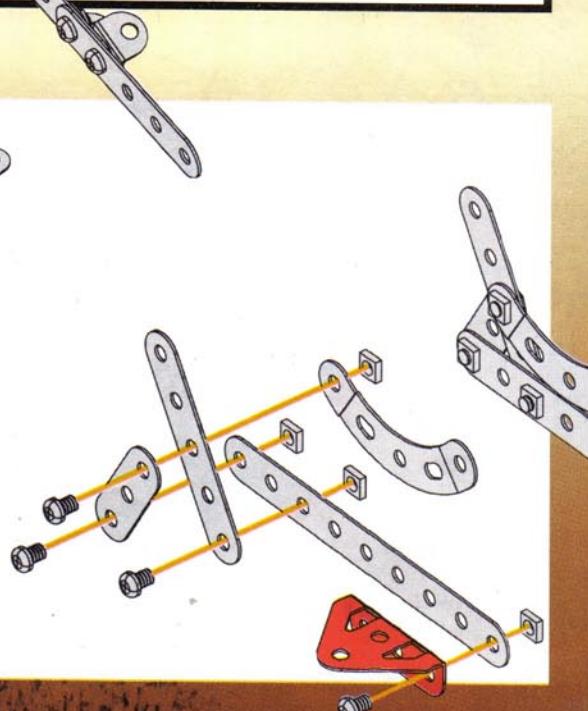
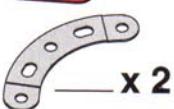


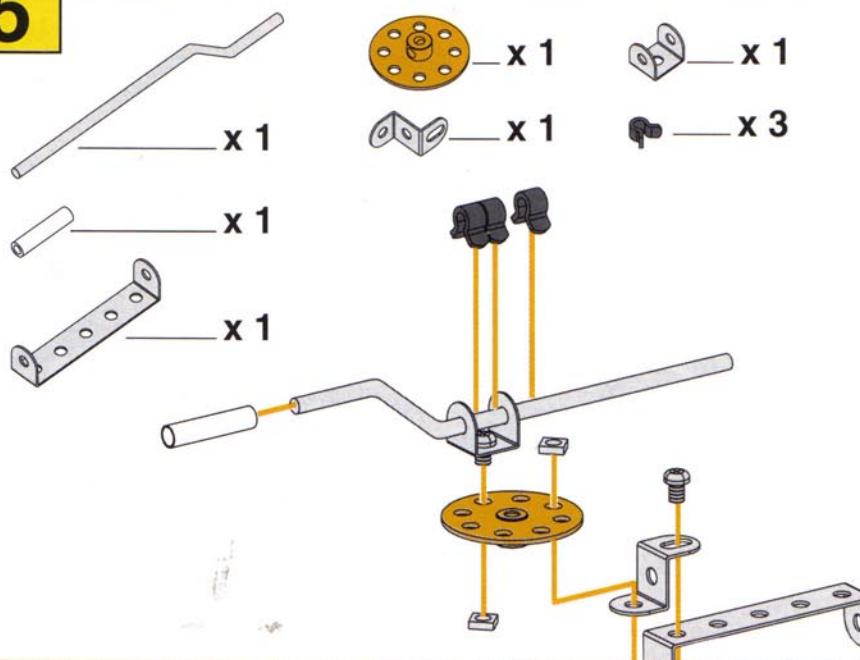
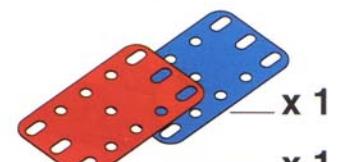
(*) en de moeren vast

1**2****1 +****3****2 +**

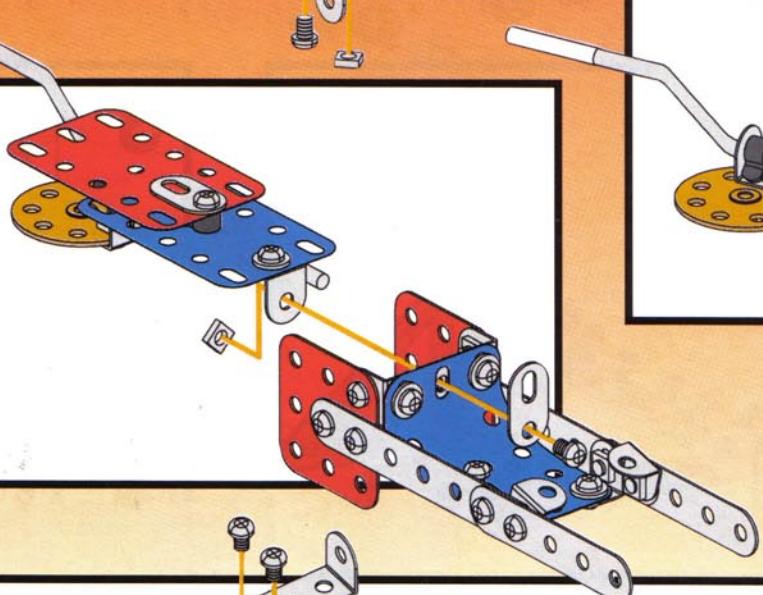
③ | 12 mm | $\frac{1}{2}$ " | x 1

x 6

**4**

5**6****5 +****7****3 + 6 +**

x 1

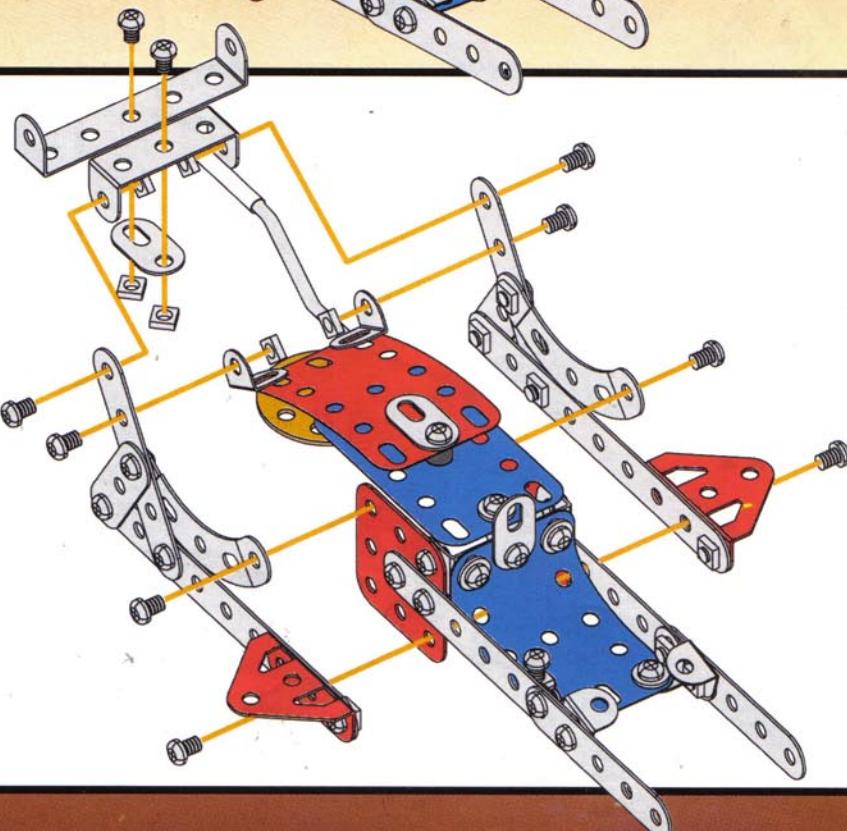
**8****4 + 7 +**

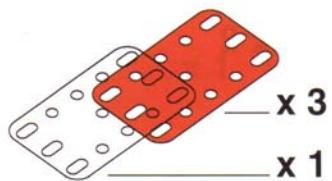
x 1

x 1

x 1

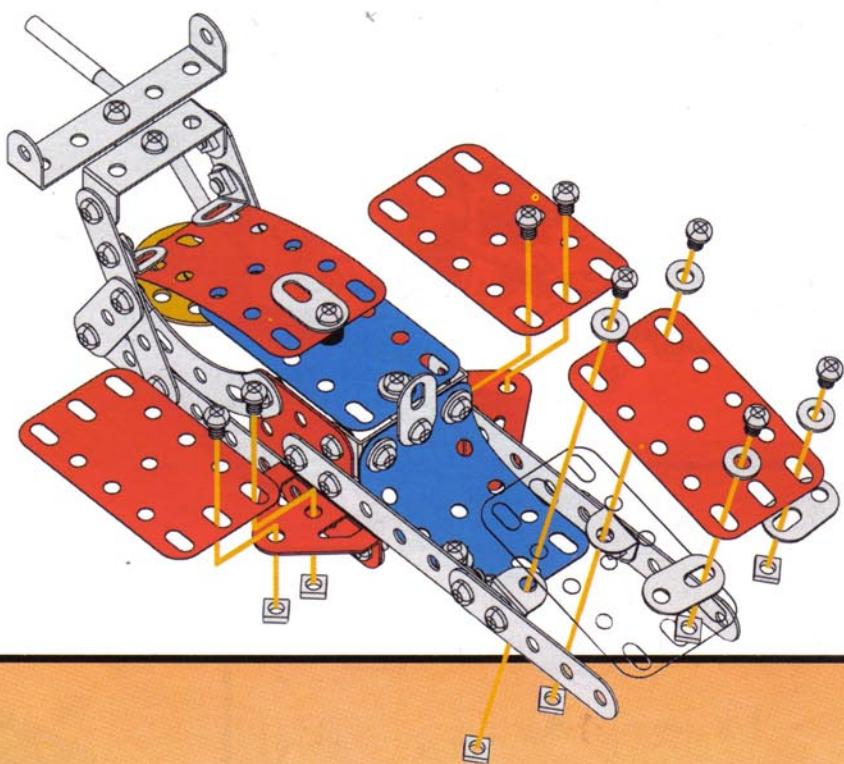
x 2



9**8 +**

x 2 Linkage pins

x 4 Axle pins

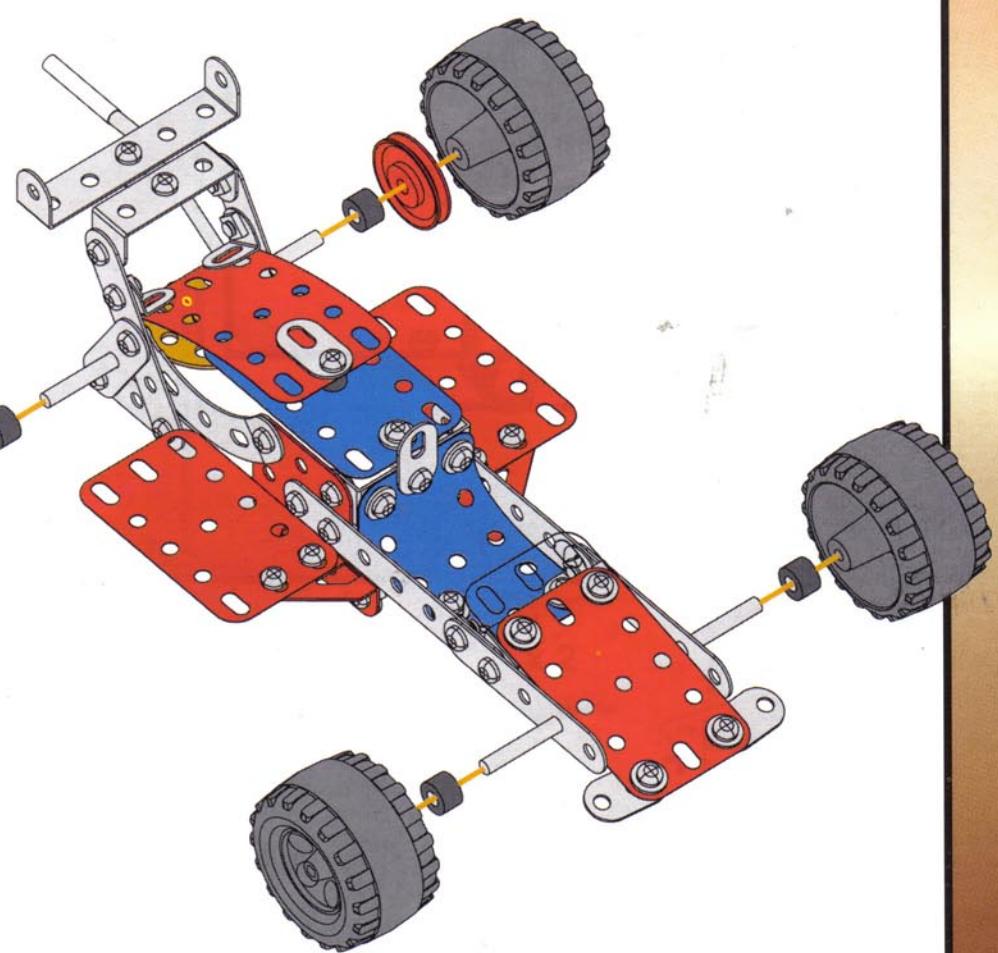
**10****9 +**

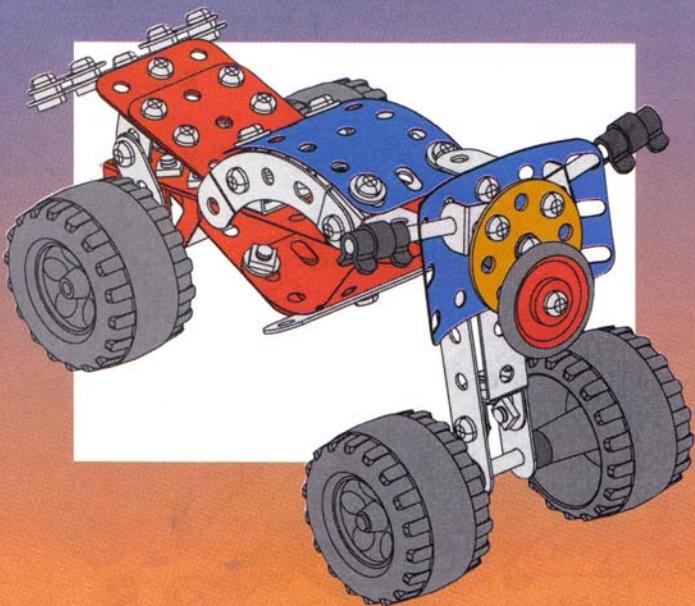
x 2 Axle pins
9 cm
 $3 \frac{1}{2}$ "

x 4 Tires

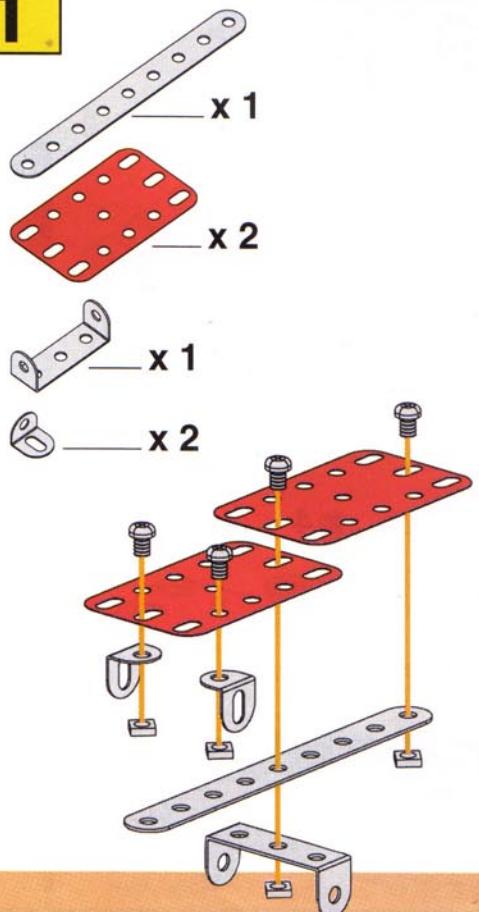
x 2 Wheel axles

x 4 Axle pins





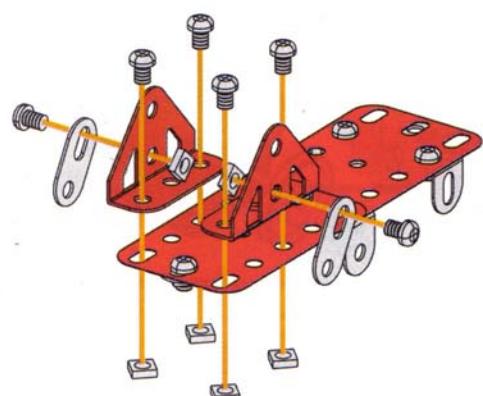
1



2

1 +

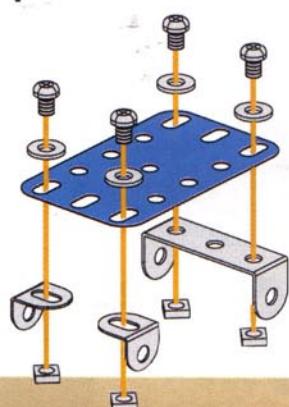
x 2
 x 2



3

x 1

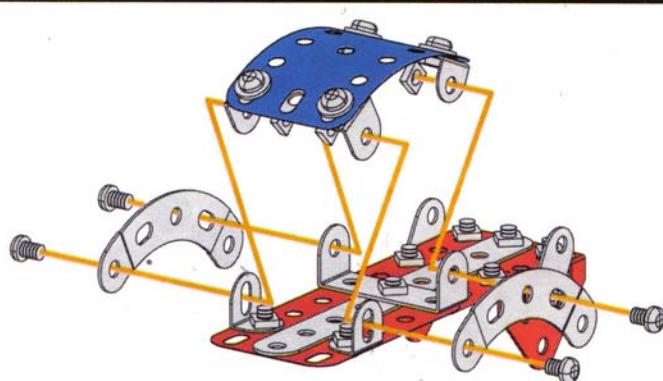
x 1
 x 2
 x 4

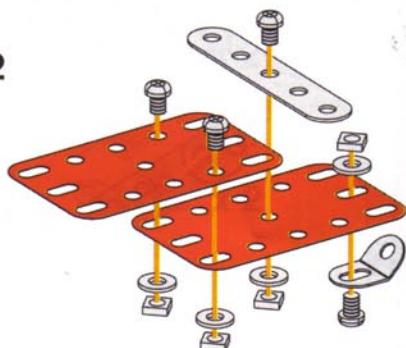
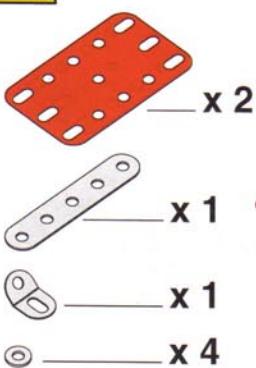
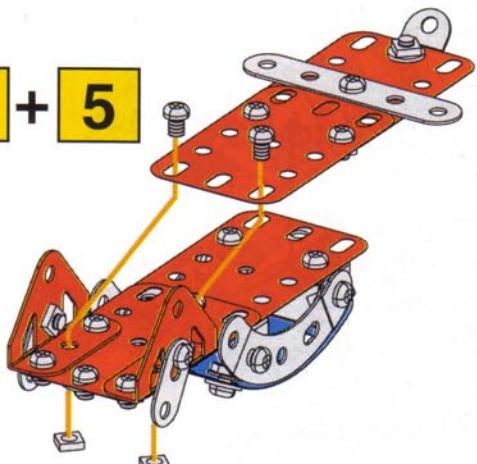
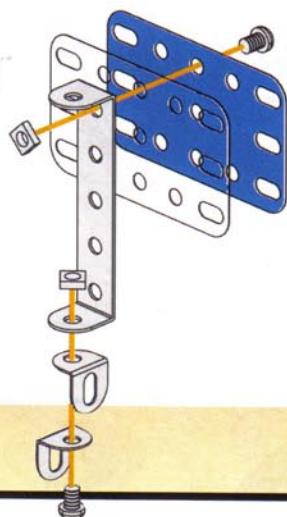
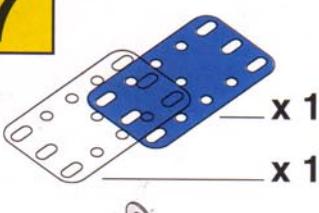
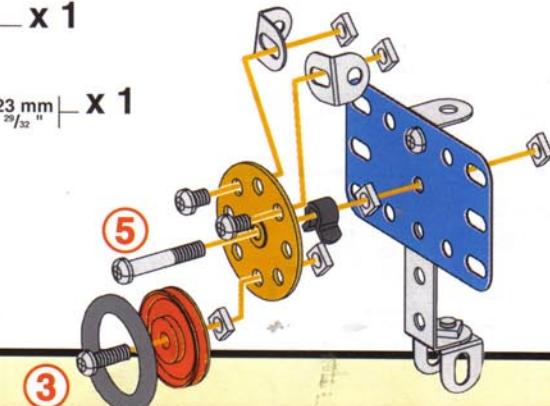
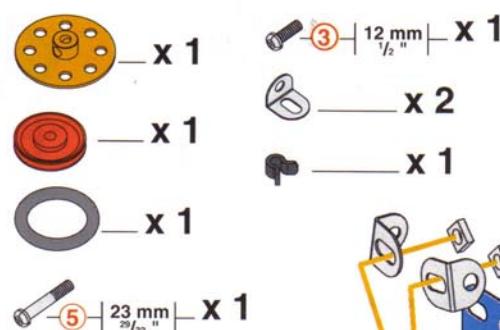
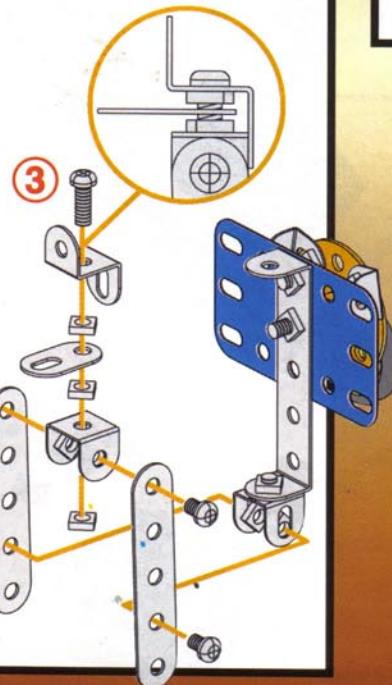
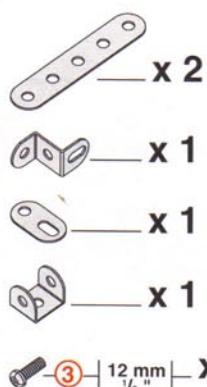
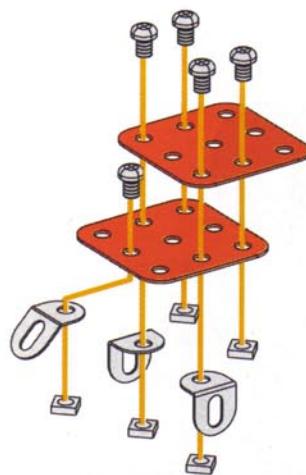
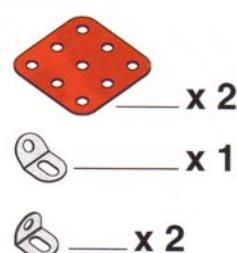


4

2 + 3 +

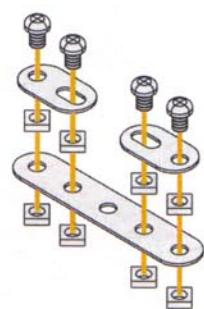
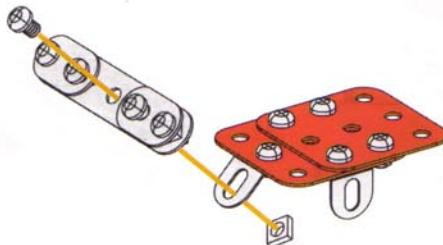
x 2



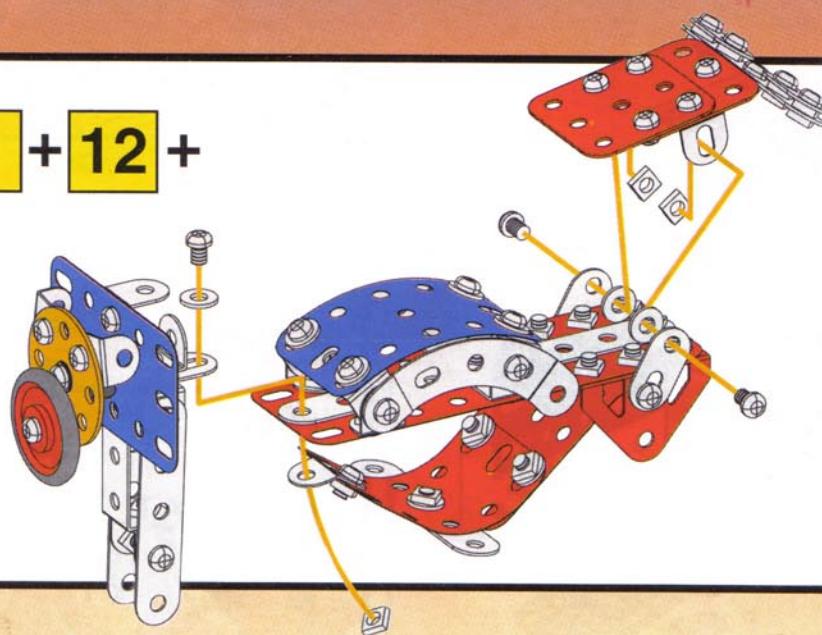
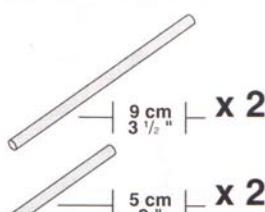
5**6****4 + 5****7****8****7 +****9****8 +****10**

11

x 2

**12****10 + 11****13****6 + 9 + 12 +**

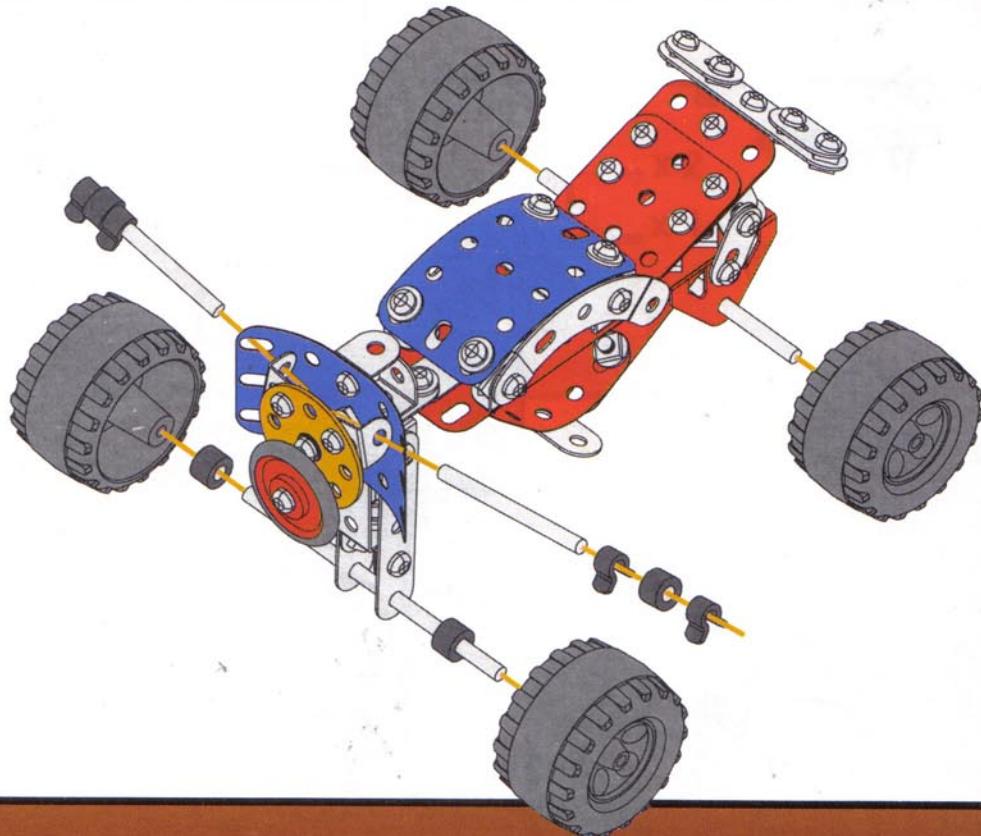
© — x 3

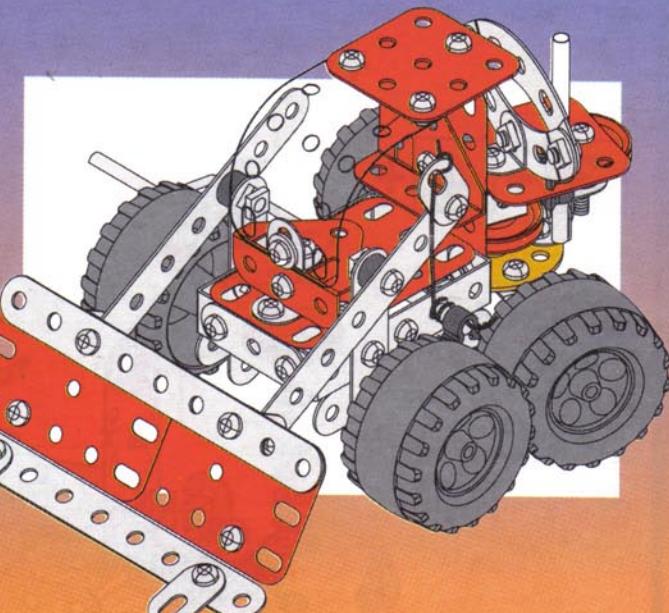
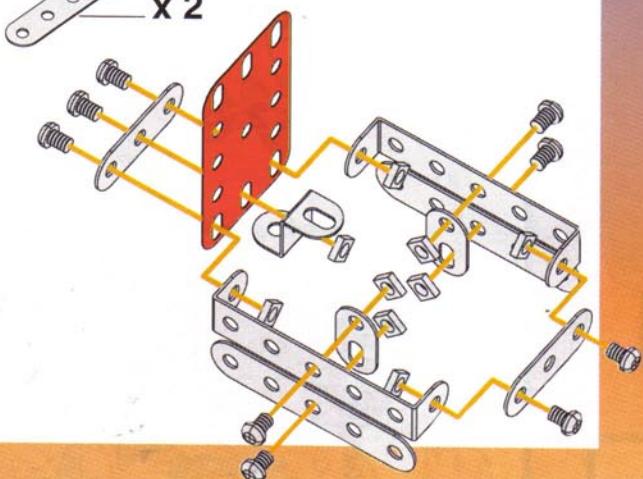
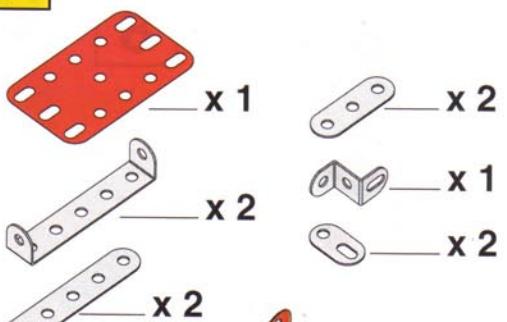
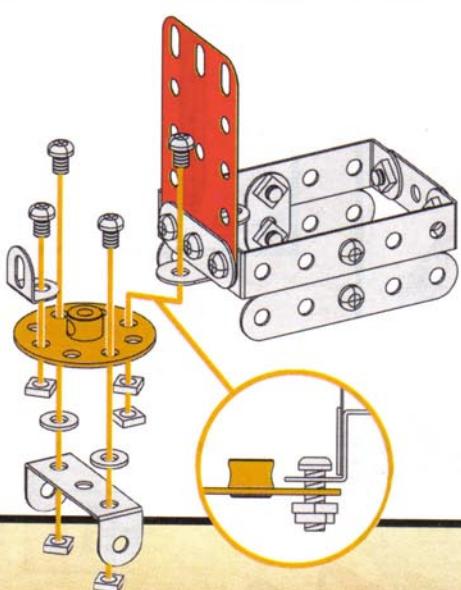
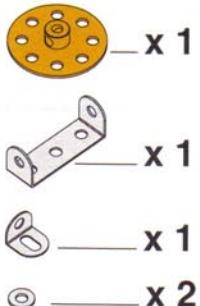
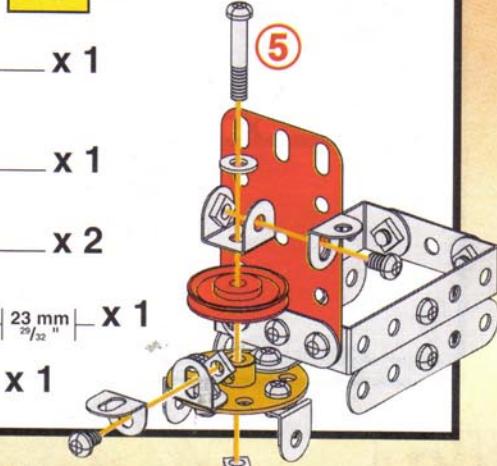
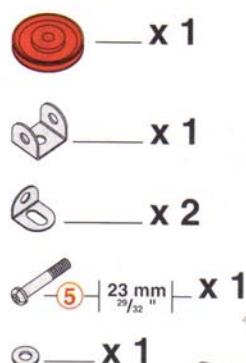
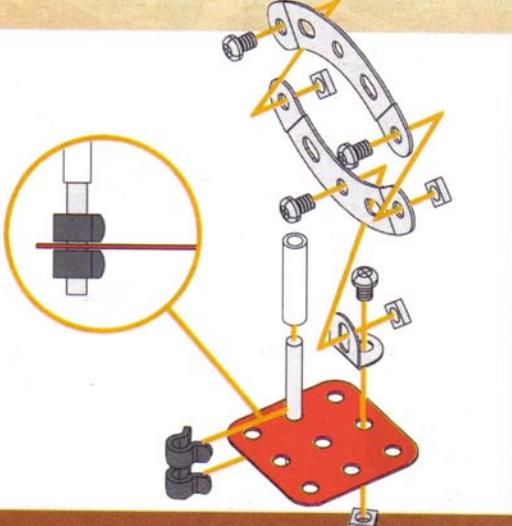
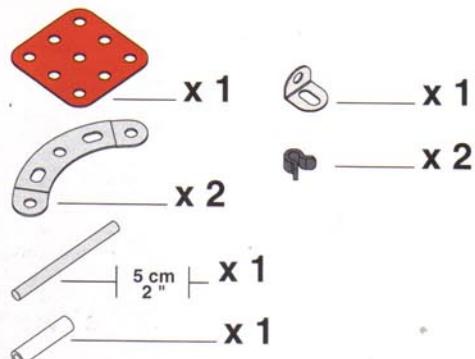
**14****13 +**

— x 4

— x 4

— x 4



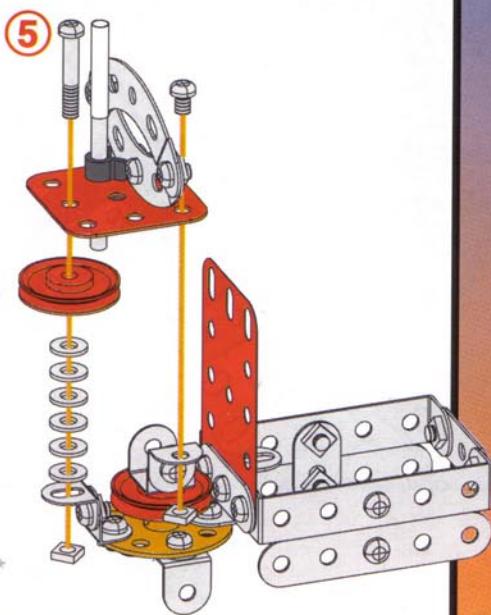
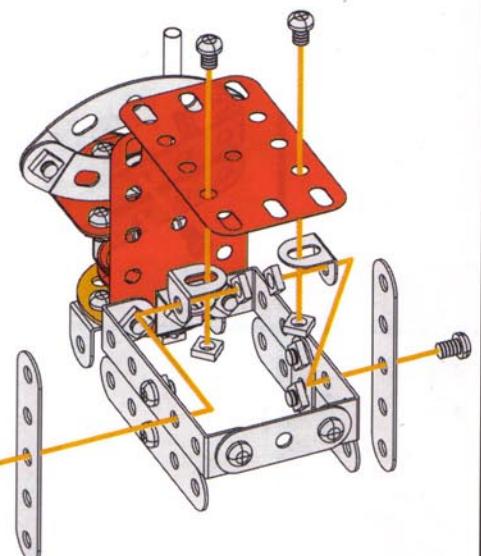
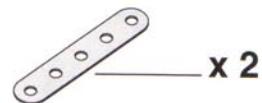
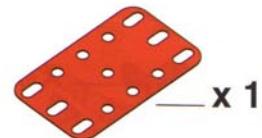
1**2****1 +****3****2 +****4**

5**3 + 4 +**

● — x 1

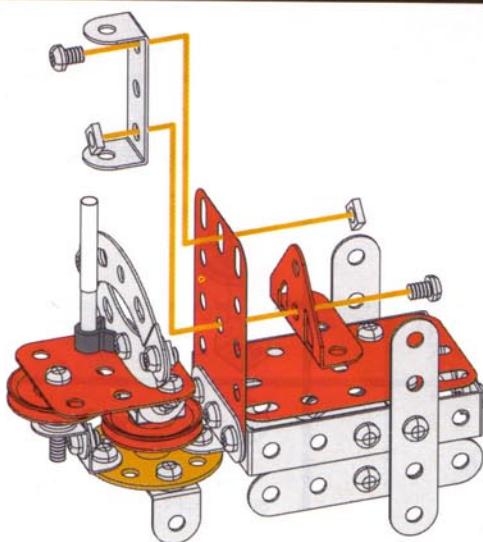
● | 23 mm | — x 1

○ — x 6

**6****5 +****7****6 +**

● — x 1

— x 1

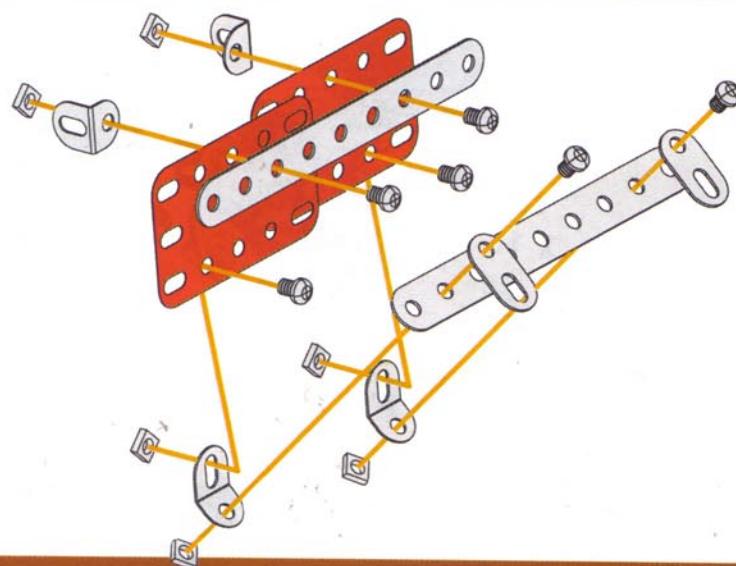
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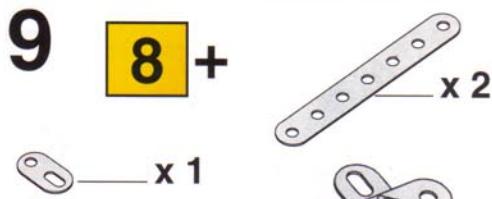
— x 2

● — x 2

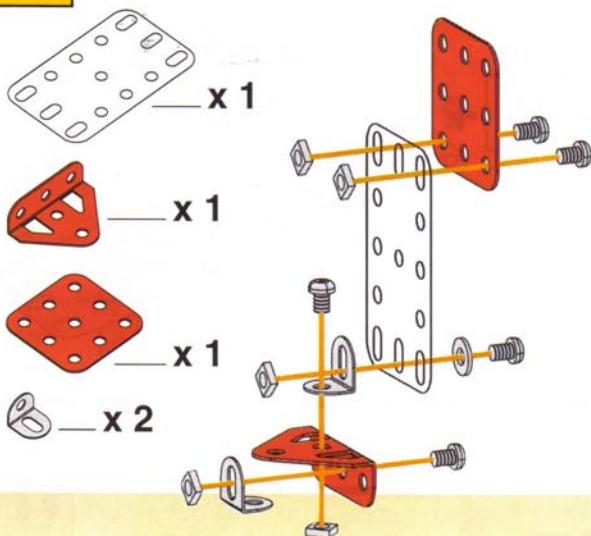
● — x 2

● — x 2

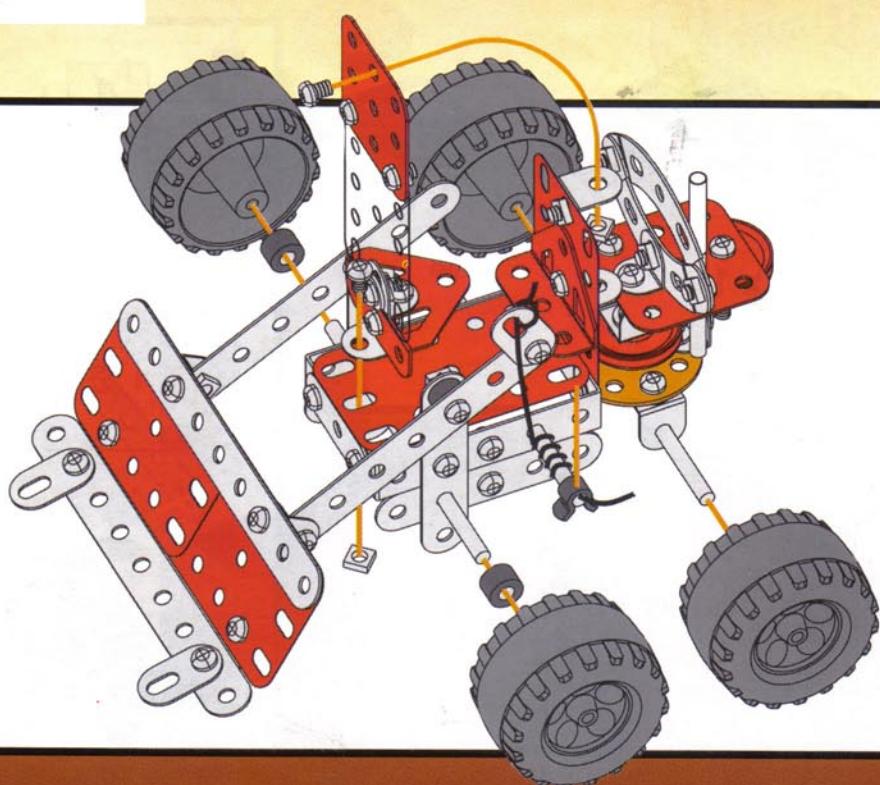
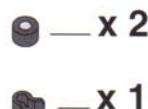
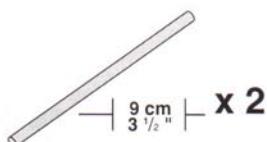


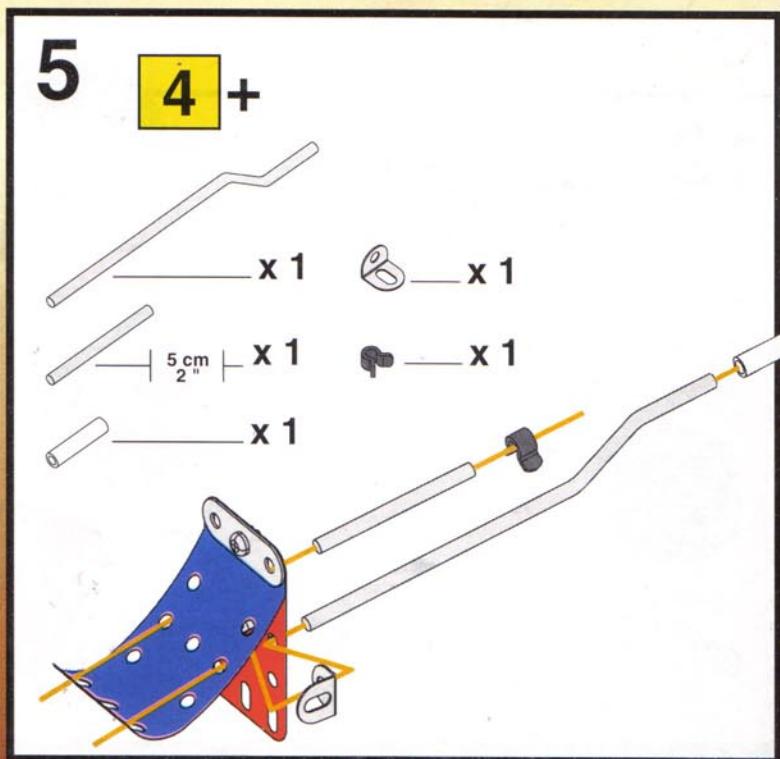
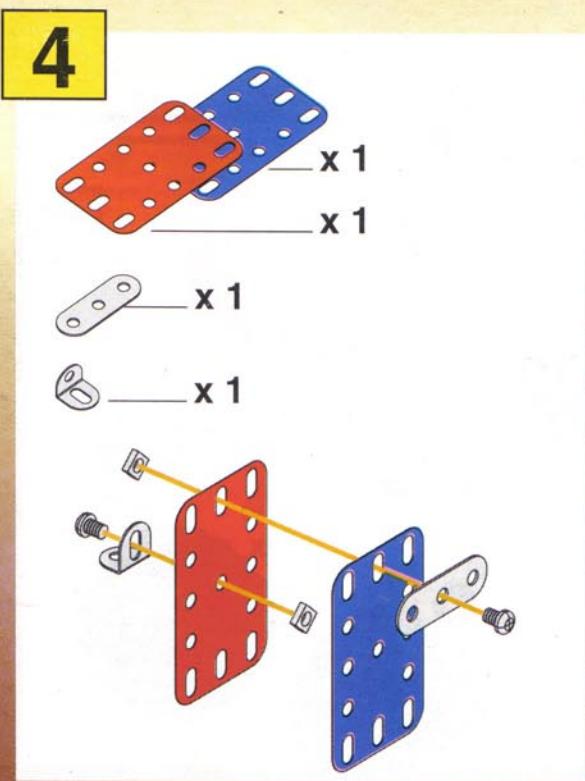
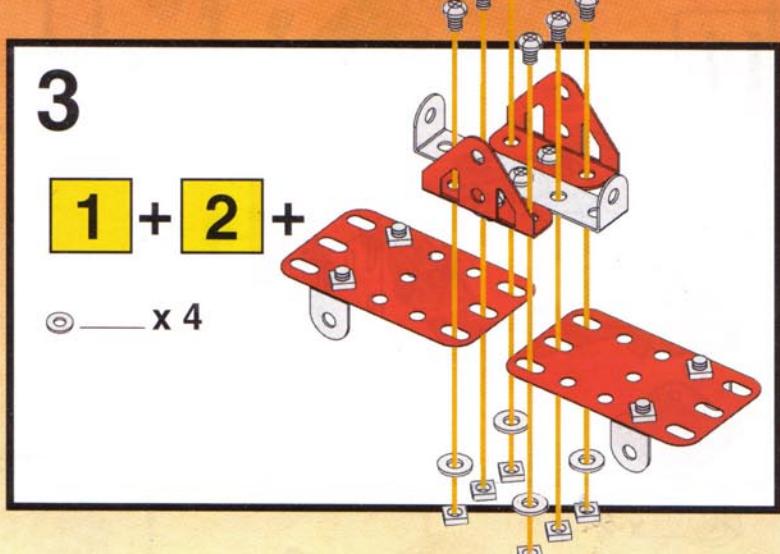
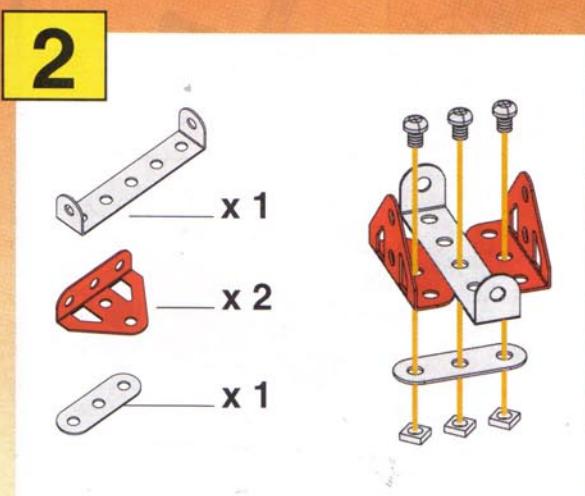
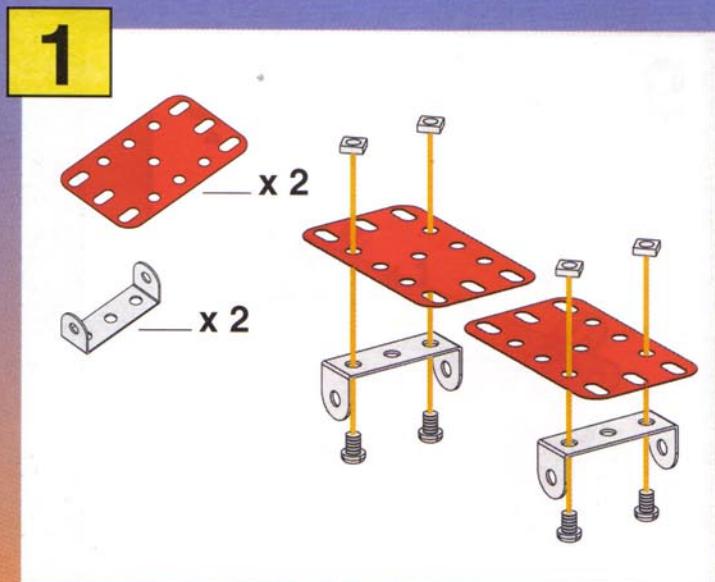
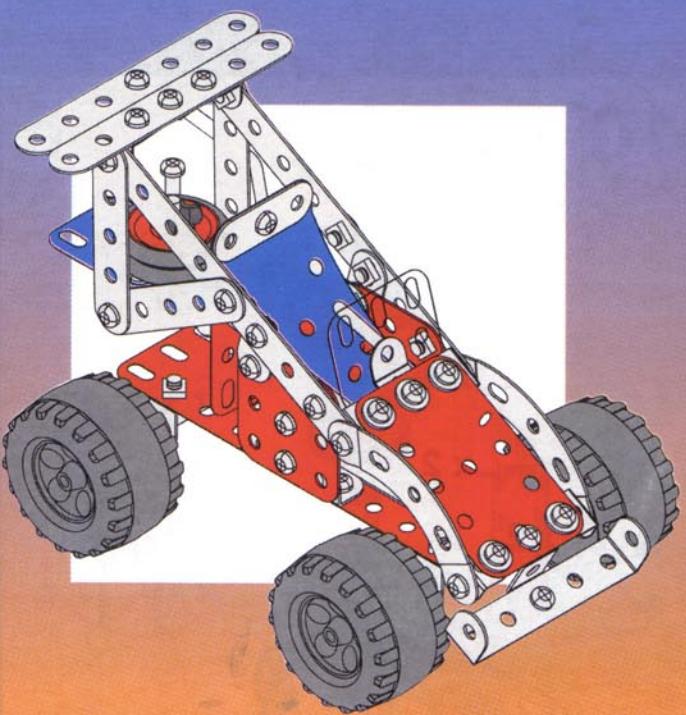


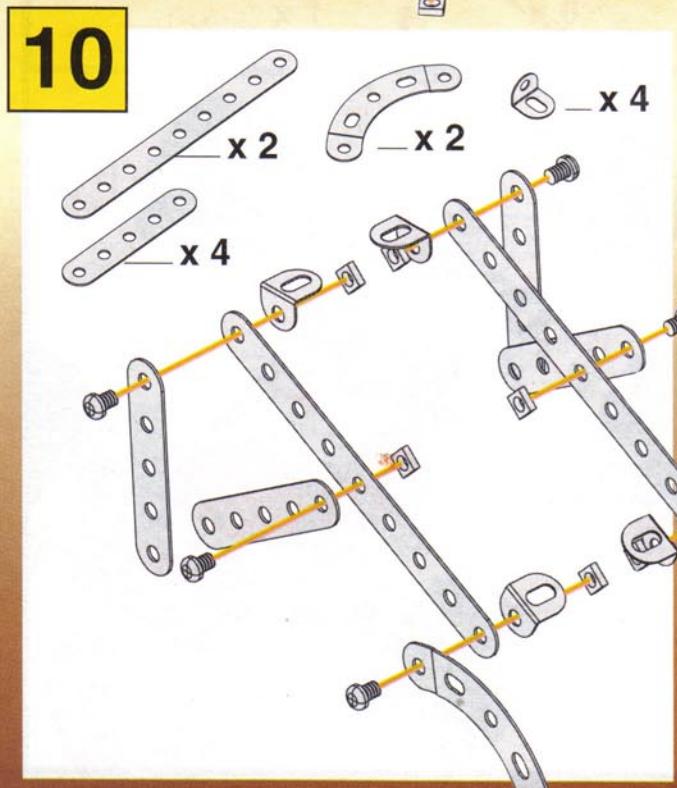
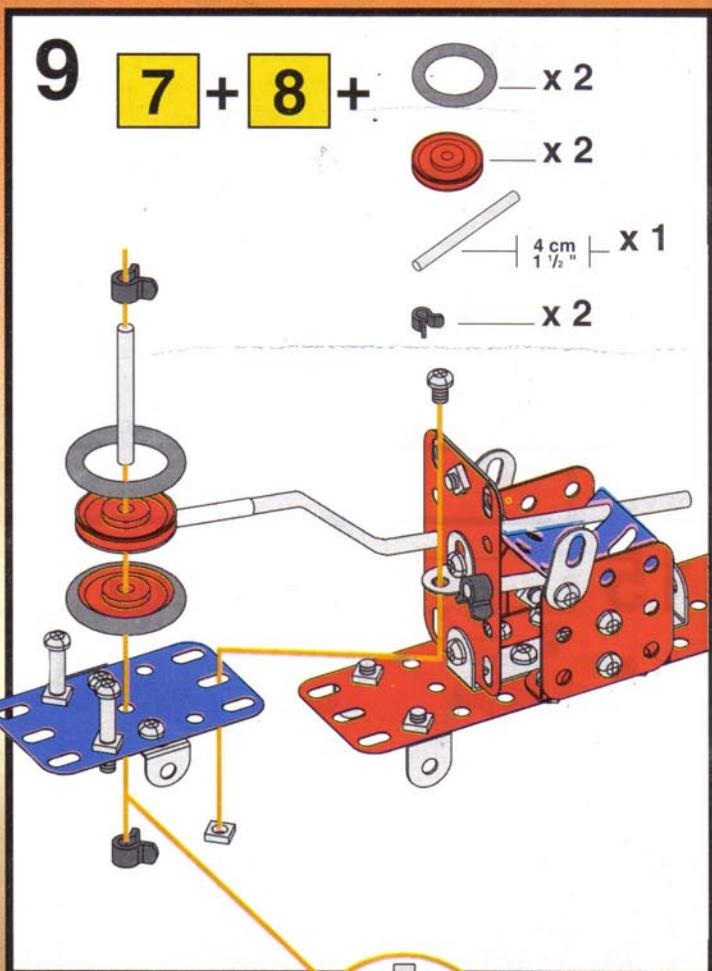
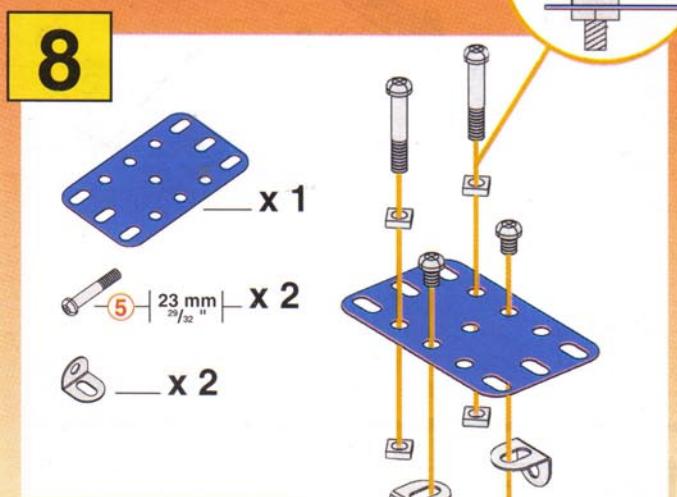
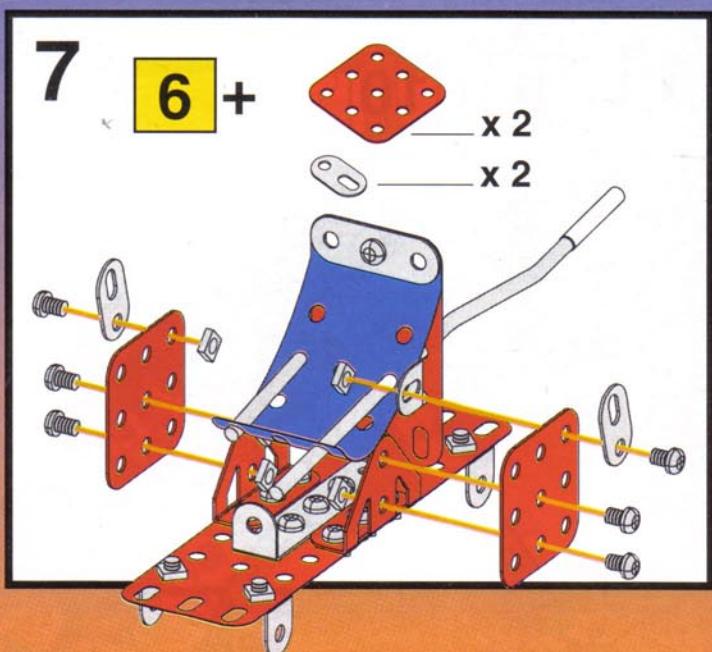
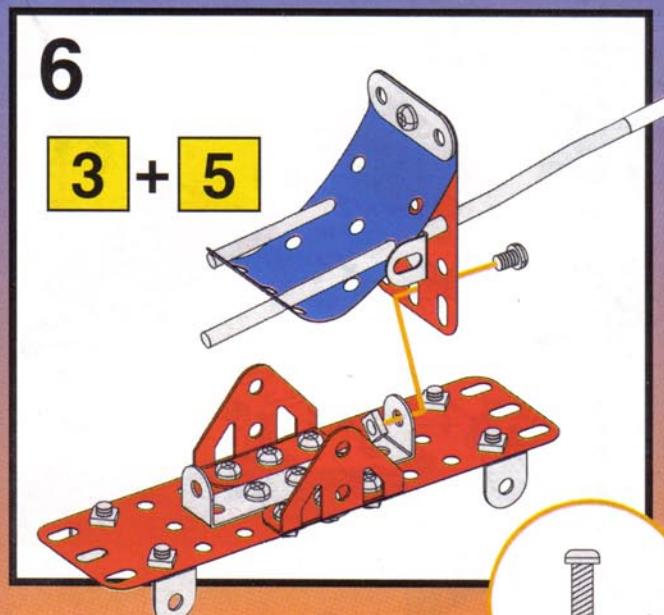
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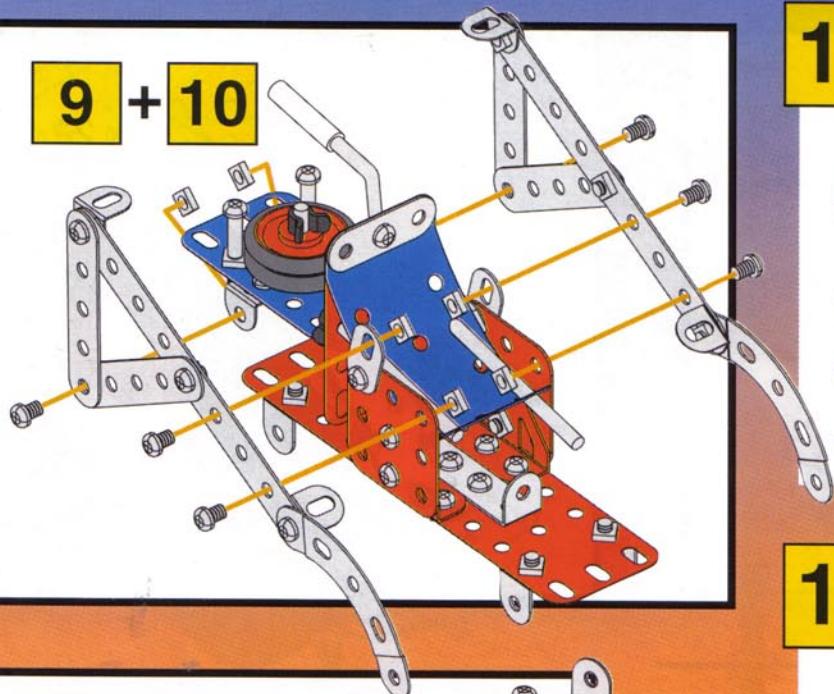
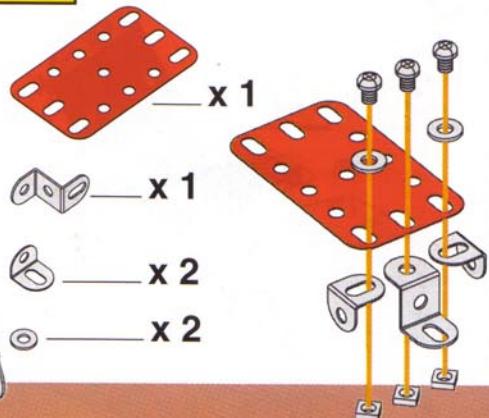
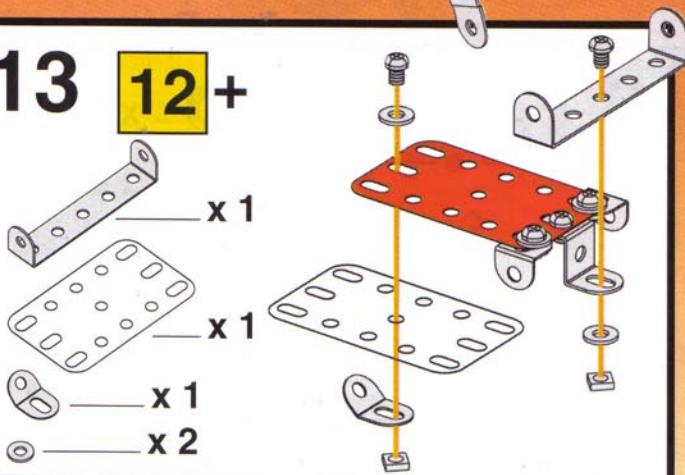
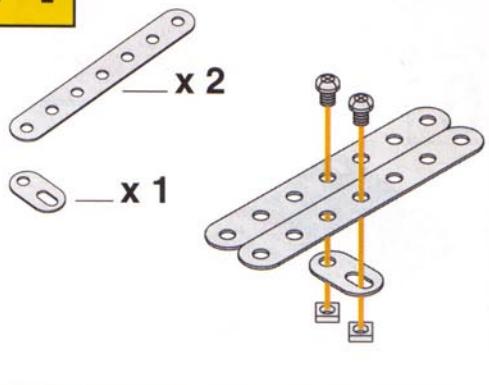
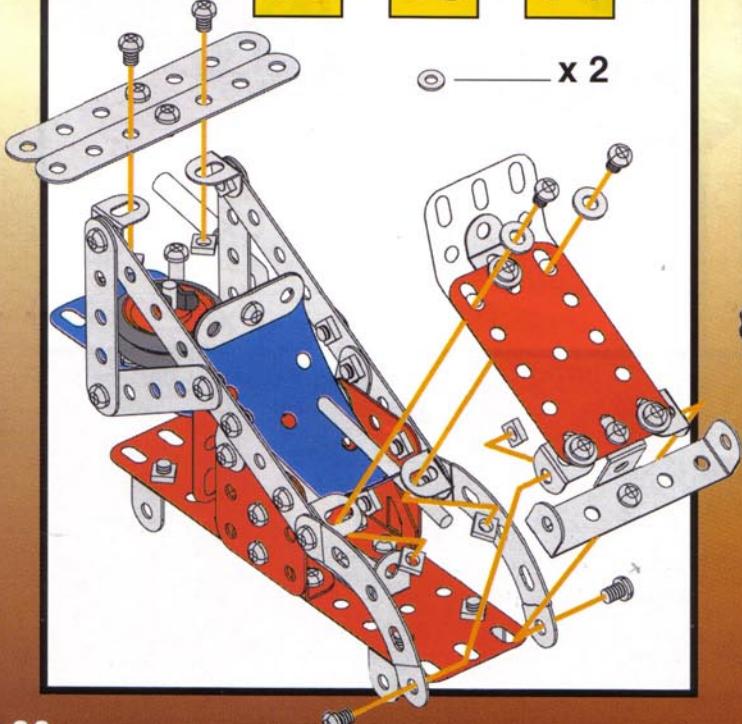
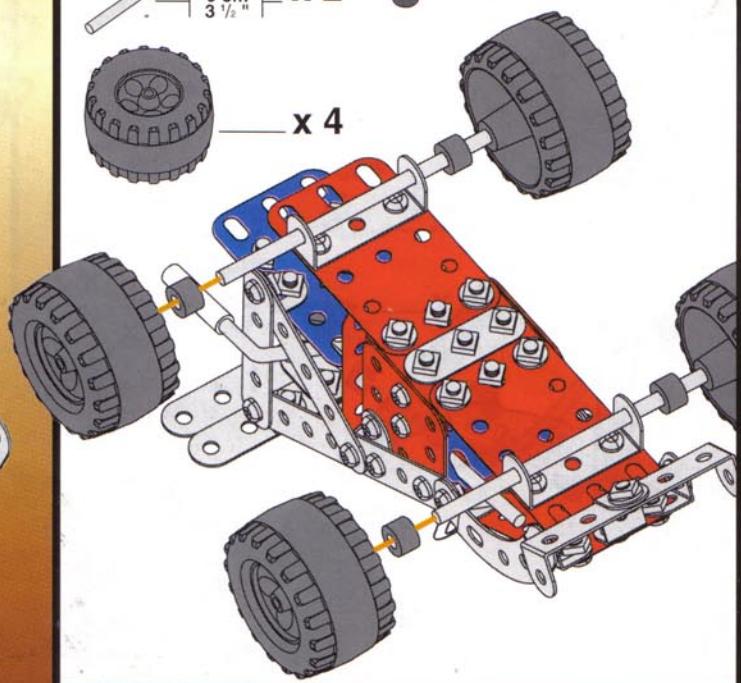


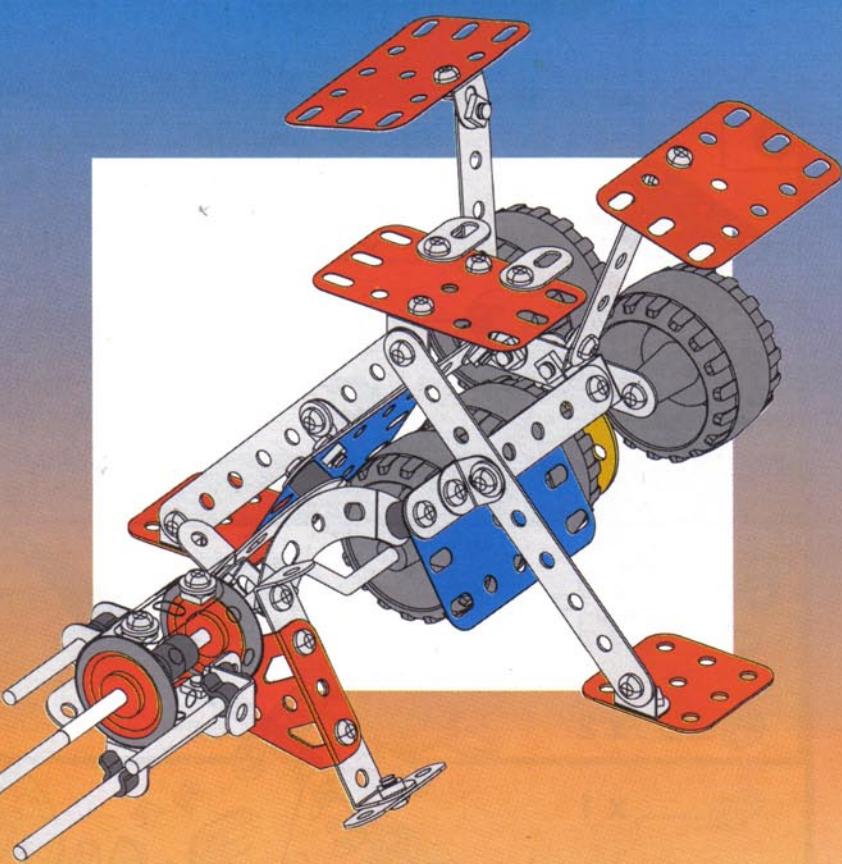
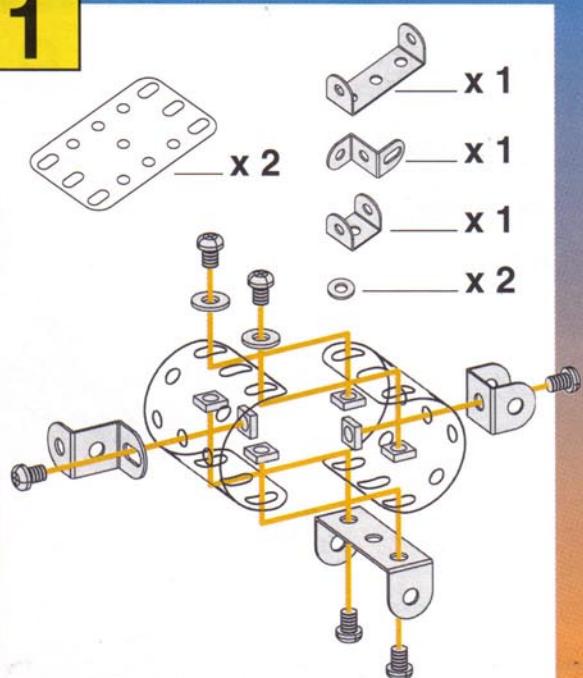
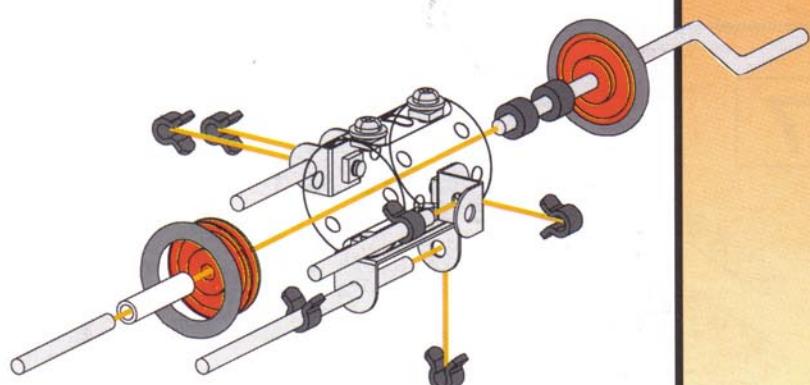
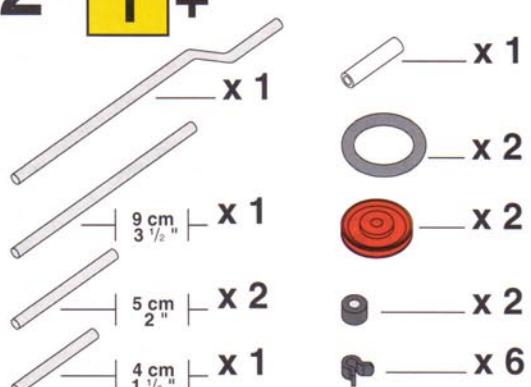
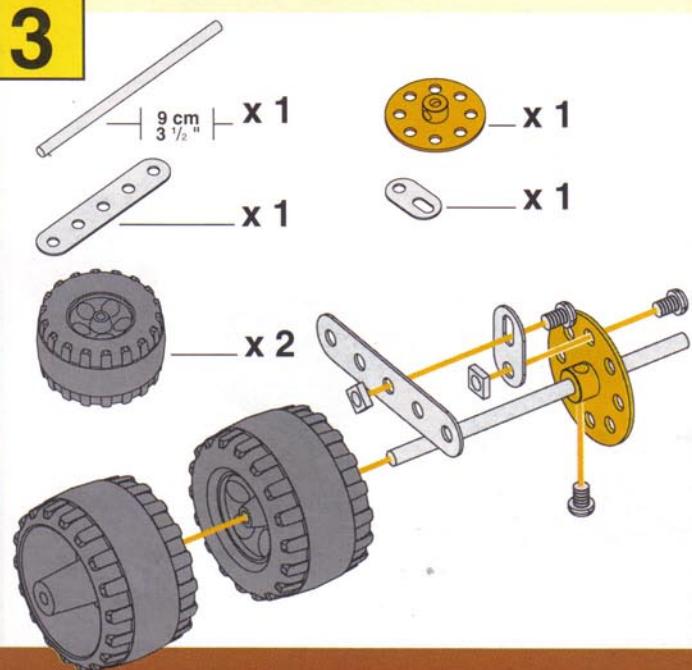
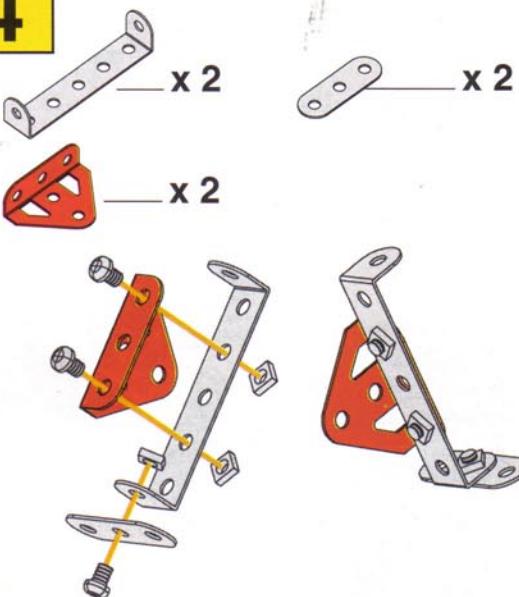
12 **10 + 11 +**

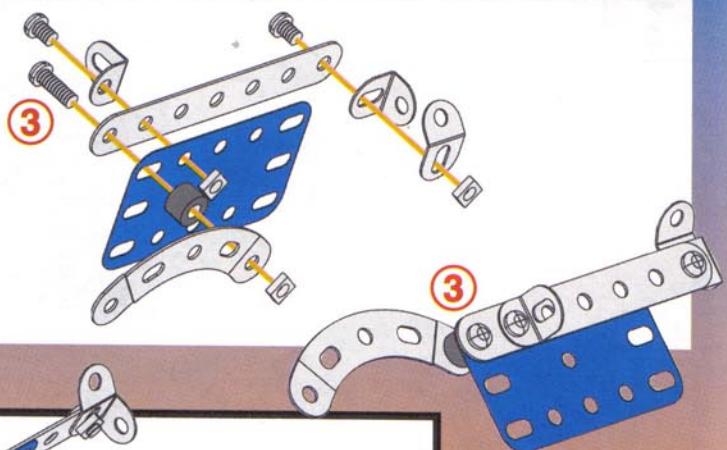
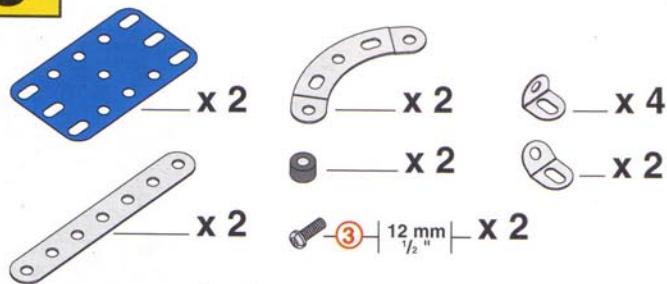
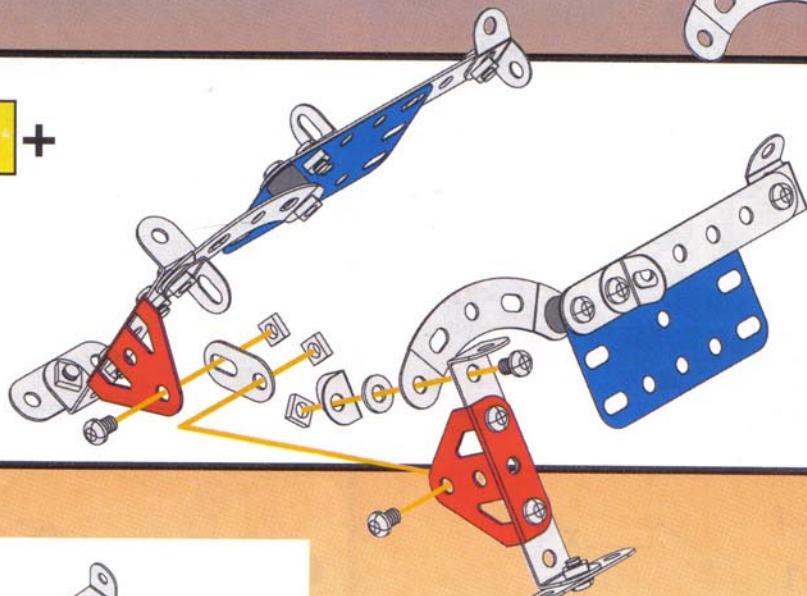
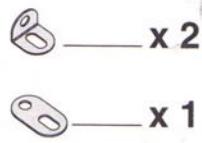
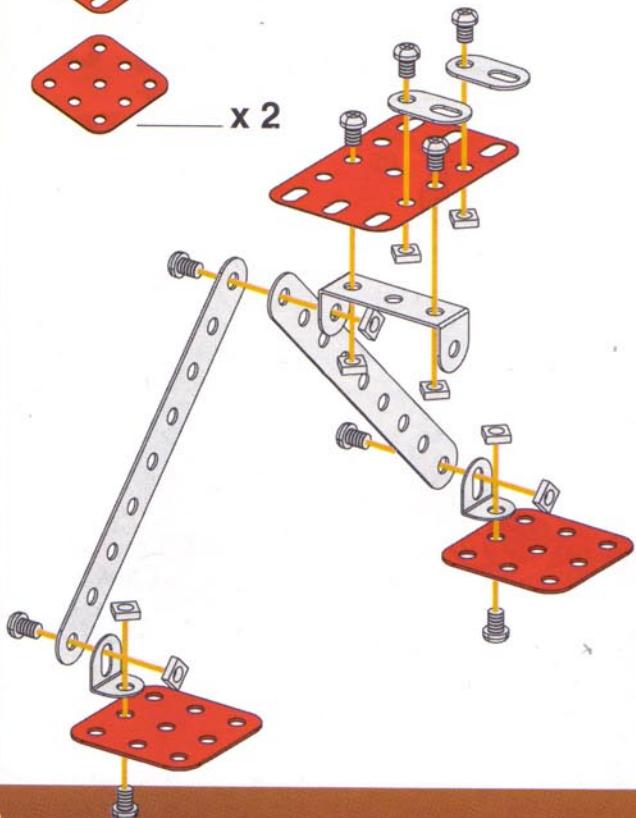
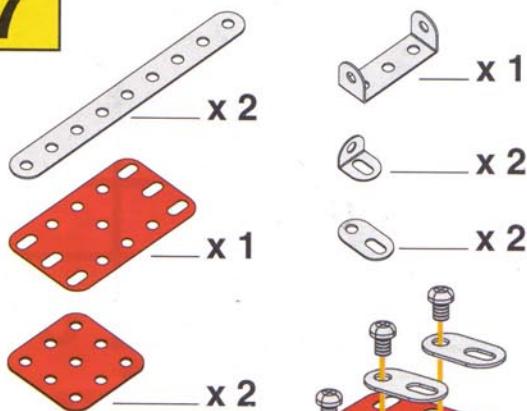
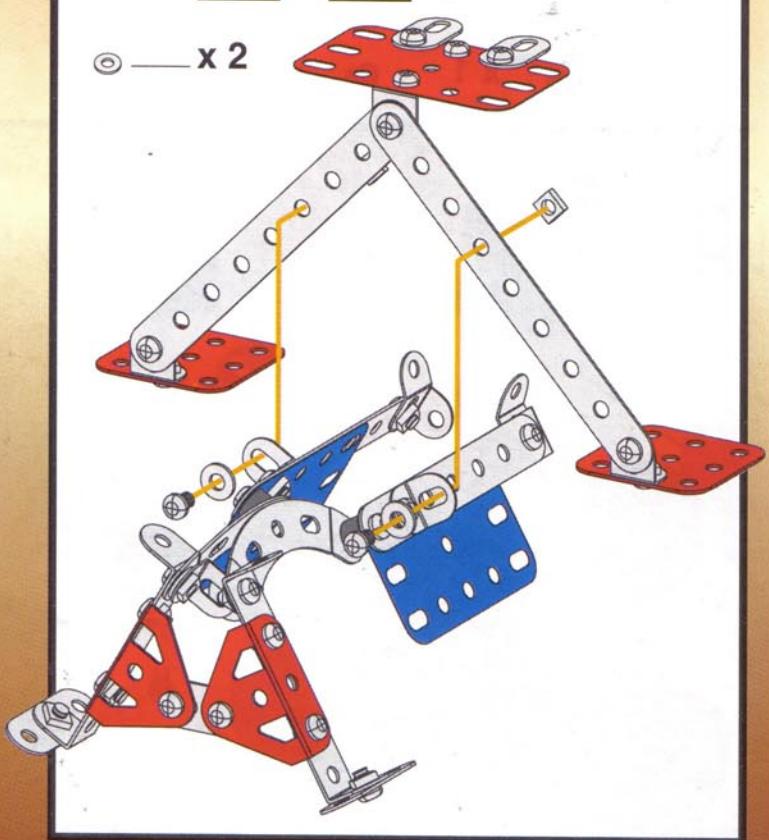


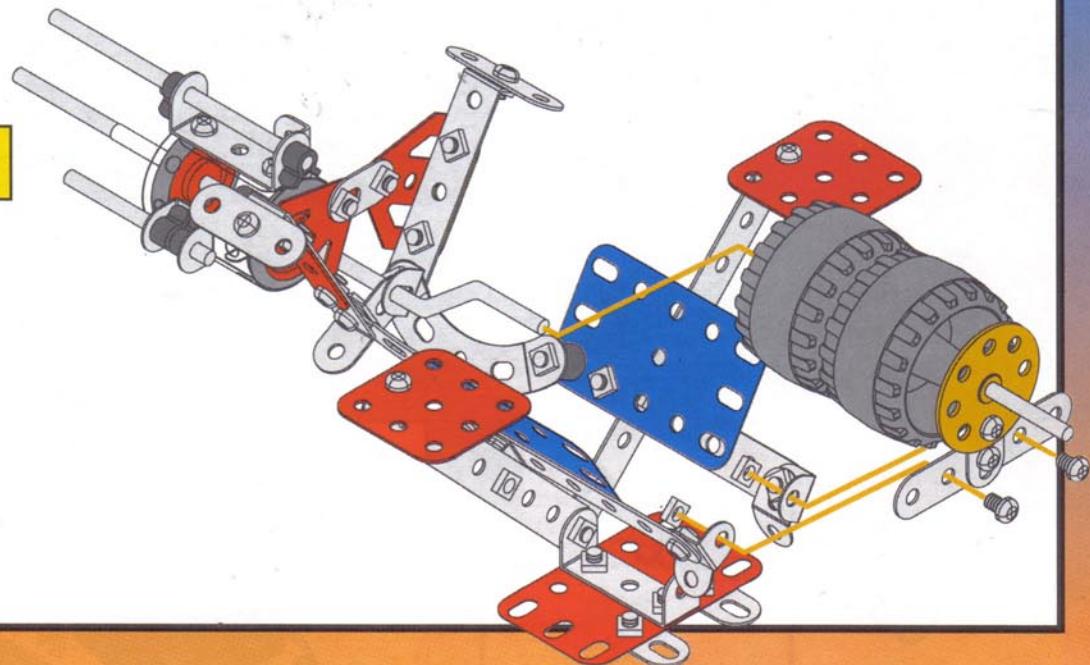
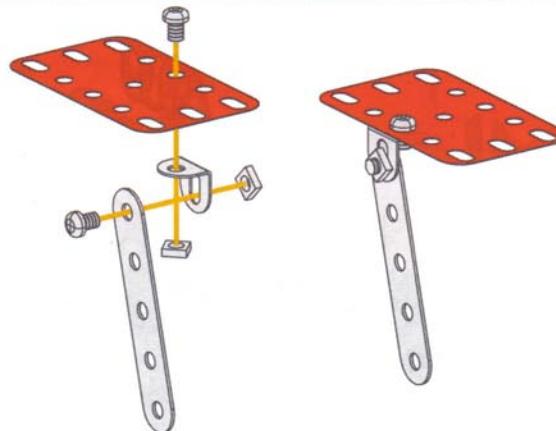
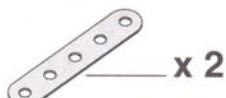
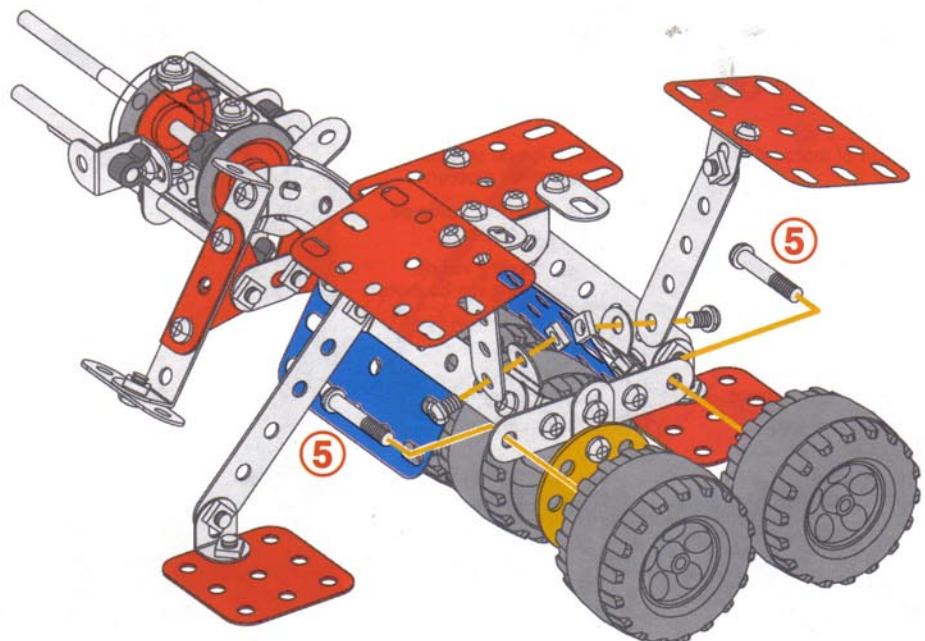
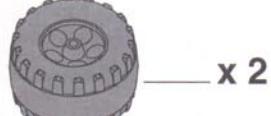




11**9 + 10****12****13****12 +****14****15****11 + 13 + 14 +****○ — x 2****16****15 +****— 9 cm
3 1/2 " — x 2
○ — x 4**

1**2****1 +****3****4**

5**6****4 + 5 +****7****8****6 + 7 +**

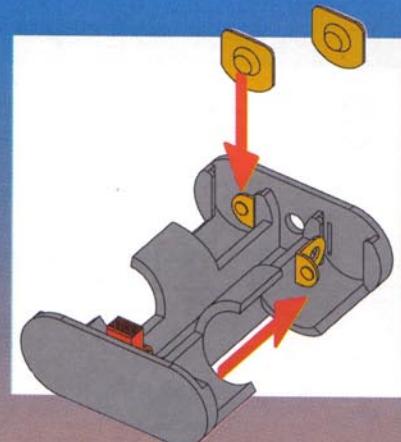
9**2 + 3 + 8****10****11****9 + 10 +**

GB Set up of the contact tongues on batteries housing.
D Montage der Kontaktfedern auf Batteriekasten.
I Montaggio dei contatti sul portapile.
S Placering av batterikontakter i batterihallären.
SF Paristojen kontaktin sääto.
DK Samling af pladerne på batteriholdere.

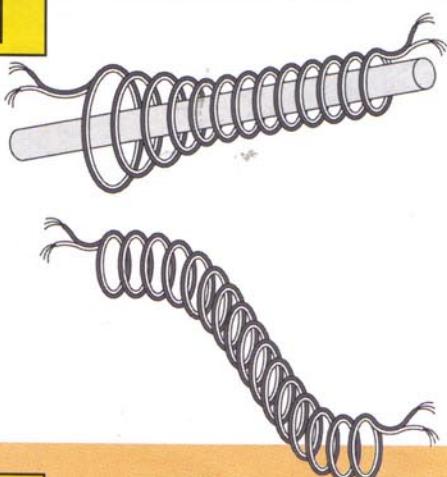
F Montage des lames sur boîtier de piles.
E Montar las lenguetas en la caja de pilas.
NL Montage van de contact punten op de batterijdoos.
P Montagen dos contactos na caixa das pilhas.
GR Σύνδεση των επιφέρων στο κιβώτιο με τις μπαταρίες
JPN 電池ボックスの薄板の組付け

GB Connexion of the electric motor.
D Motorisierung anleitung.
I Montaggio dell'insieme motorizzazione.
S Anslutning av elmotor.
SF Mootorin kytkentä.
DK Samling af motordel.

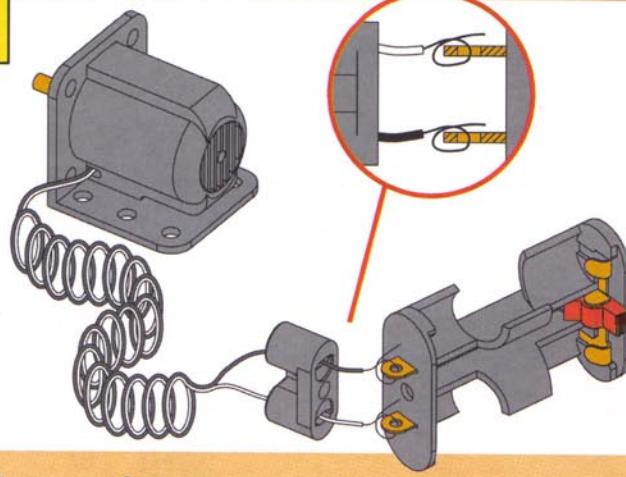
F Montage de l'ensemble motorisation.
E Montaje de la junta de motorización.
NL Montage van de gemotoriseerde set.
P Montagen das ligações de motor elétrico.
GR Συναρμολόγηση των κινητήρων
JPN モーターの組付け



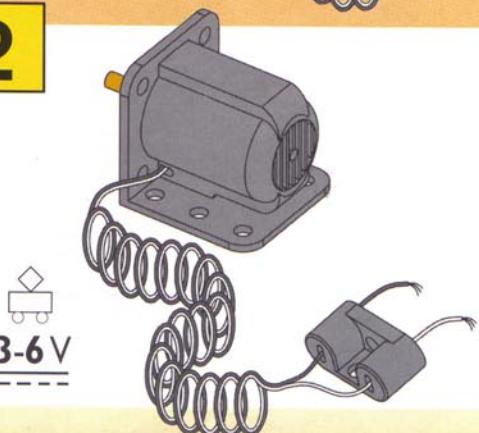
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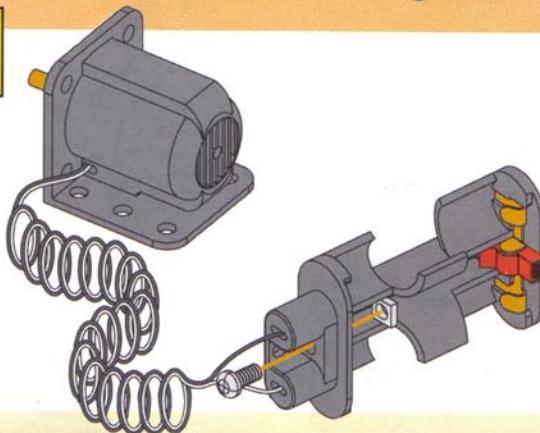
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2

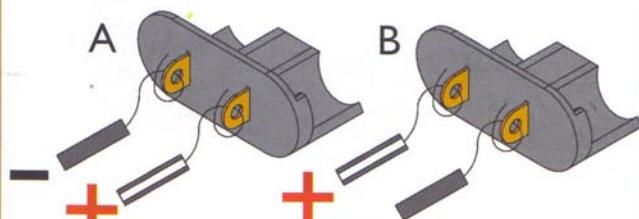


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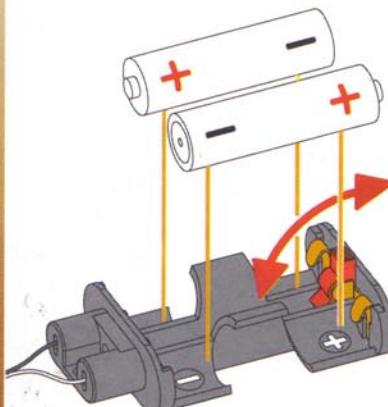


GB Inversion of motor direction.
D Laufrichtungs - Umschalter.
I Inversione del senso di rotazione del motorino.
S Förändring av rörelseriktning.
SF Mootorin pyörimissuunnan muuttaminen.
DK Omvending af motorens omdrejningsretning.

F Inversion du sens de rotation du moteur.
E Inversión del sentido de rotación del motor.
NL Omschakeling van de draairichting van de motor.
P Inversão do sentido de rotação do motor.
GR Αναστροφή της φοράς περιστροφής του κινητήρα
JPN モーター反転

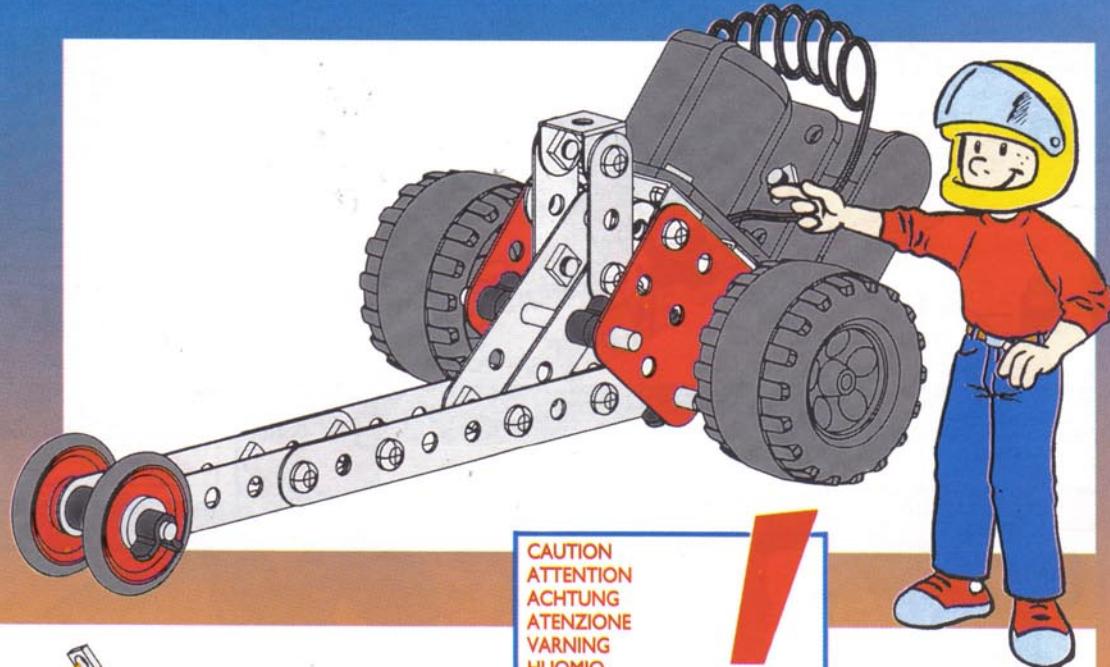
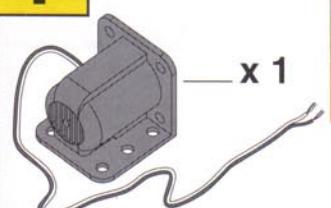


5



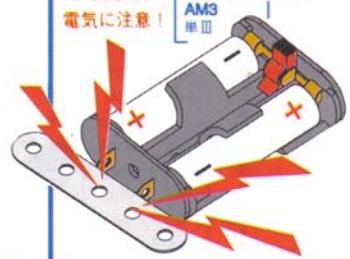
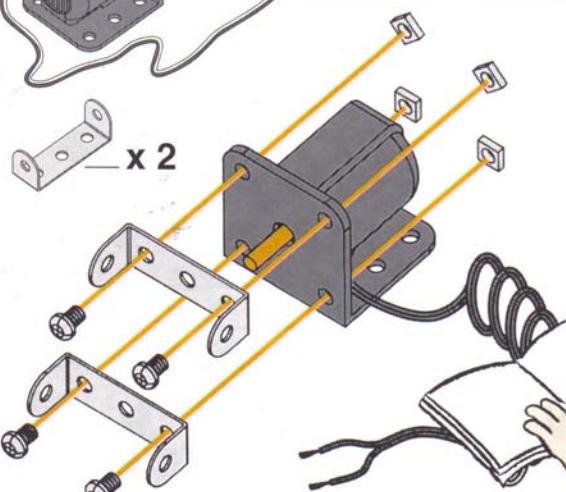
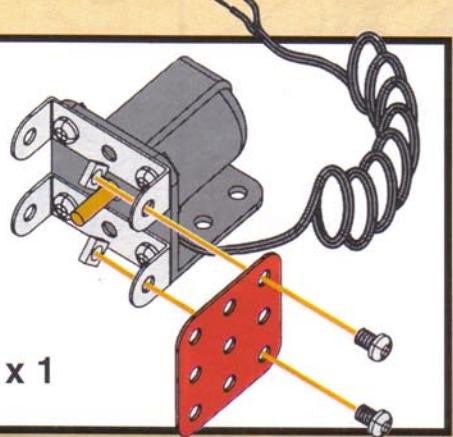
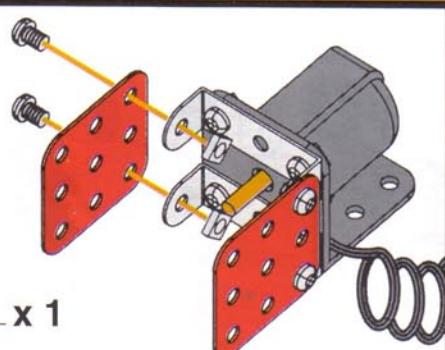
CAUTION
ATTENTION
ACHTUNG
ATENZIONE
VARNING
HUOMIO
UDVIS FORSIGTIGHED
ICUIDADO
WAARSCHUWING
CUIDADO
ΠΡΟΣΟΧΗ
R6 MIGNON X 2
電気に注意！



1

CAUTION
ATTENTION
ACHTUNG
ATENZIONE
VARNING
HUOMIO
UDVIS FORSIGTIGHED
ICUIDADO
WAARSCHUWING
CUIDADO
ПРОСОХН
電気に注意！

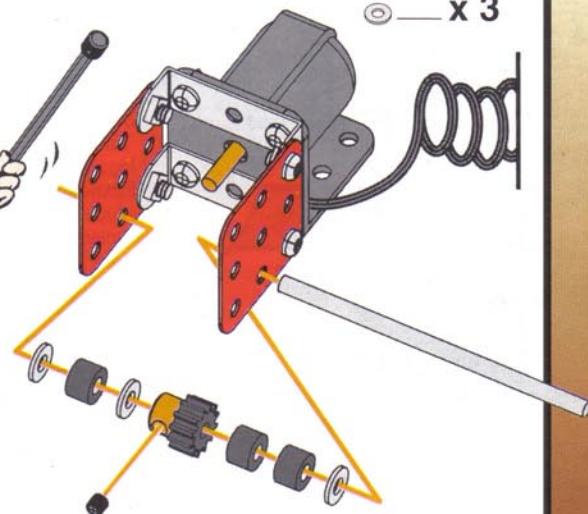
R6
MIGNON
AM3
単三

**2****1 +****3****2 +****4****3 +**

— x 1
• x 1

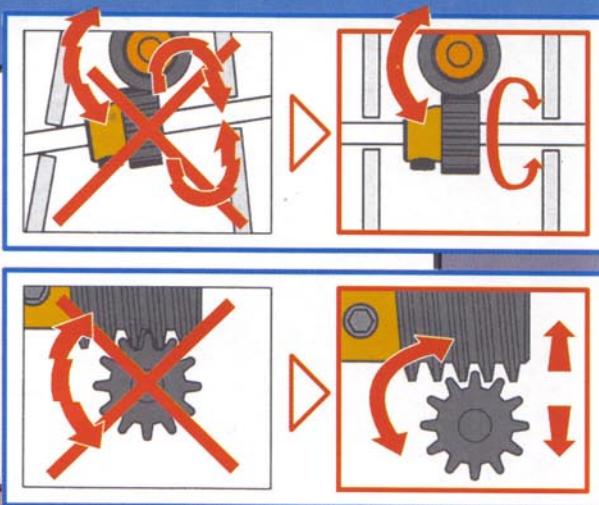
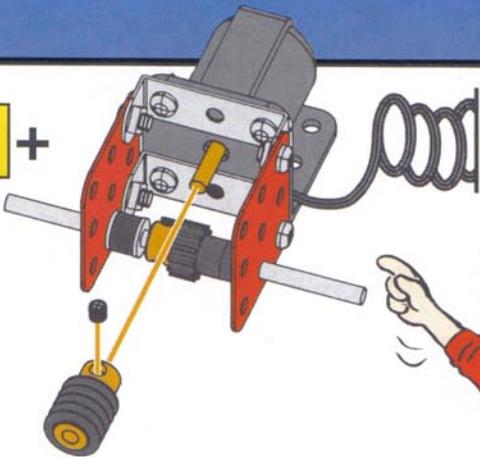
○ x 3

◎ x 3

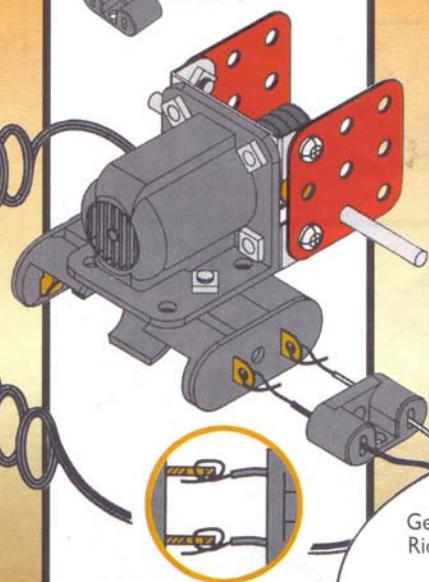


5**4 +**

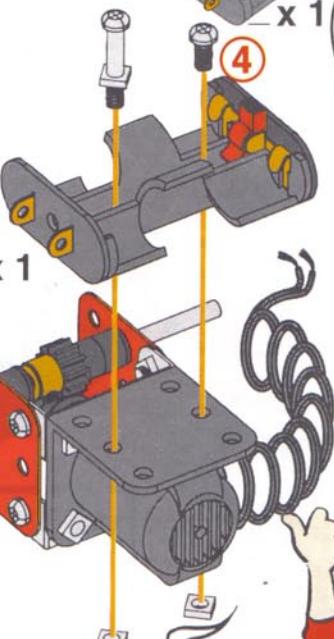
- x 1
— x 1

**6****8****7 +**

- x 1

**7****5 + 6 +**

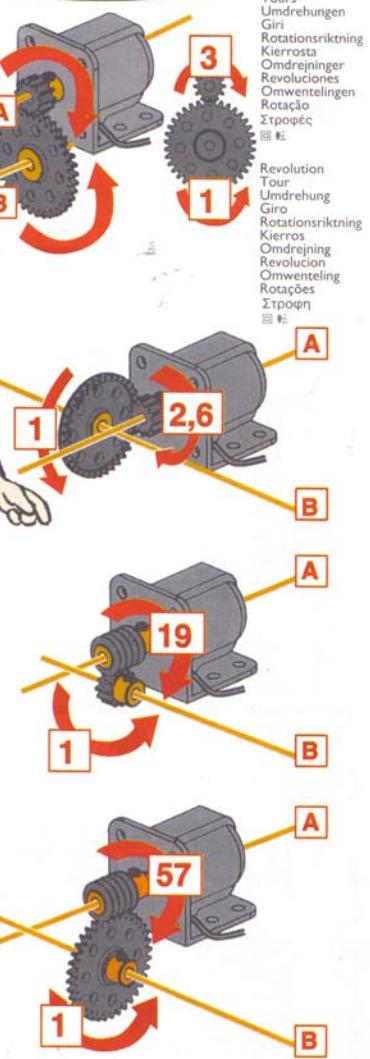
- ①
②
③
④ x 1



Speed reduction by gears.
Réduction de vitesse par engrenages.
Geschwindigkeitsverminderung durch Gangeinstellung.
Riduzione di velocità con gli ingranaggi.
Sänk motorns hastighet med kuggdrev.
Nopeudensäätö hammaspyörien avulla.
Fartnedsættelse ved hjælp af tandhjulene.
Reduce la velocidad con los engranajes.
Snelheidsvermindering door middel van tandwielen.
Mειωση της ταχύτητας με γρανάζια
歯車をつけて速度を落とす。

Revolutions
Tours
Umdrehungen
Giri
Rotationsrichtung
Kierrosta
Omdrejninger
Revolutiones
Omwentelingen
Rotação
Στροφές
回転

Revolution
Tour
Umdrehung
Giro
Rotationsrichtung
Kierros
Omdrejning
Revolucion
Omwenteling
Rotações
Στροφή
回転



Speed reduction by transmission belts.
Réduction de vitesse par courroies.

Geschwindigkeitsverminderung durch keilriehmen.
Riduzione di velocità con la cinghia di trasmissione.

Sänk motorns hastighet med drivrem.

Nopeudensäätö vaihteistohihnojen avulla.

Fartnedsættelse ved hjælp af remmene.

Reduce la velocidad con las transmisiones.

Snelheidsvermindering door middel van overbrengingsriemen.

Reduce a velocidade com as transmissões.

Mειωση της ταχύτητας με ιμάντες

ベルトを使って速度を落とす。

Speed reduction by transmission belts.
Réduction de vitesse par courroies.

Geschwindigkeitsverminderung durch keilriehmen.

Riduzione di velocità con la cinghia di trasmissione.

Sänk motorns hastighet med drivrem.

Nopeudensäätö vaihteistohihnojen avulla.

Fartnedsættelse ved hjælp af remmene.

Reduce la velocidad con las transmisiones.

Snelheidsvermindering door middel van overbrengingsriemen.

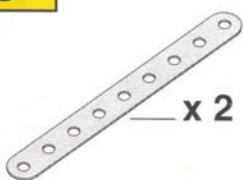
Reduce a velocidade com as transmissões.

Mειωση της ταχύτητας με ιμάντες

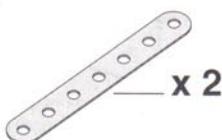
ベルトを使って速度を落とす。

Revolutions
Tours
Umdrehungen
Giri
Rotationsrichtung
Kierrosta

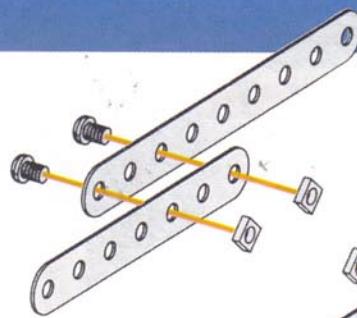
Omdrejninger
Revolutiones
Omwentelingen
Rotação
Στροφές
回転

9

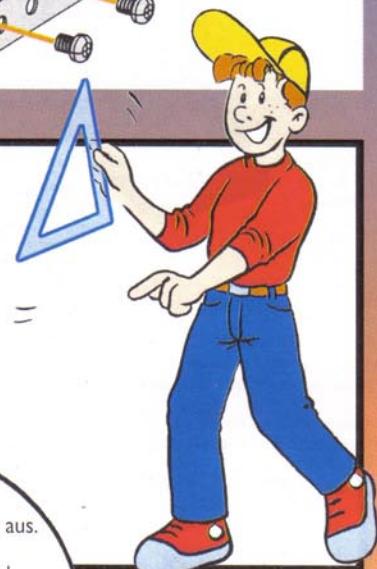
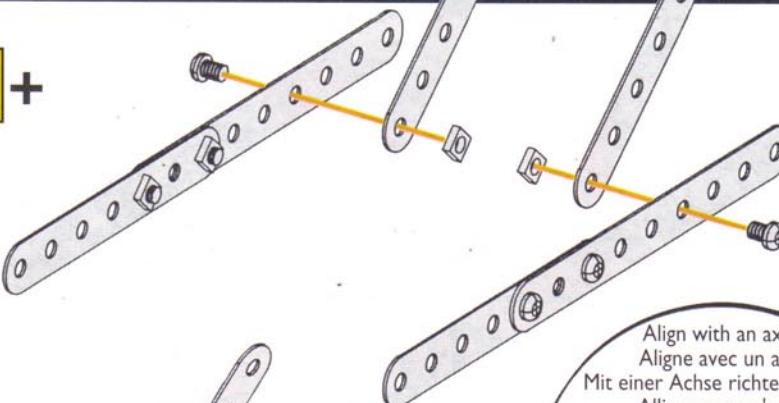
x 2



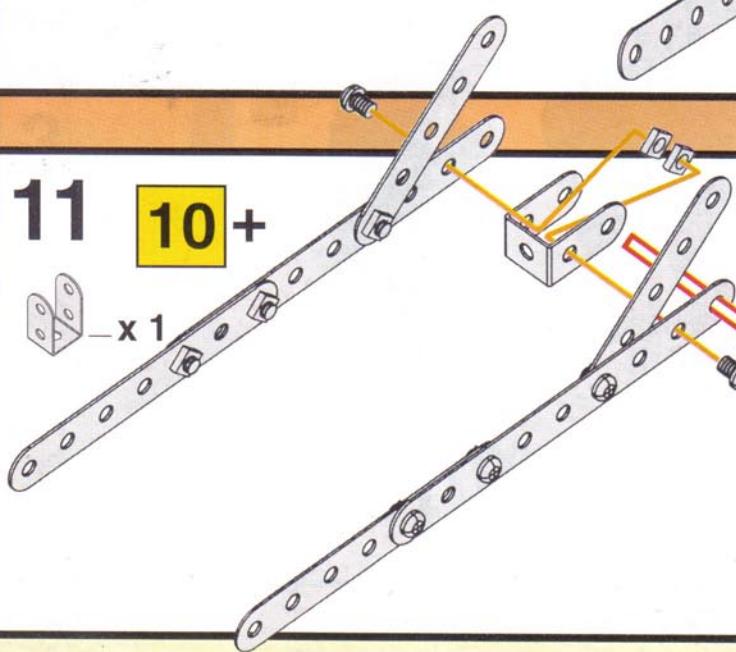
x 2

**10****9 +**

x 2

**11****10 +**

x 1



Align with an axle.
Alinea con un eje.
Mit einer Achse richtest du aus.
Allinea con un'asse.
Rikta med hjälp av en axel.
Käytä akselia kohdistamiseen.
Der rettes ind med en aksel.
Alinea con un eje.
Zet in één lijn met een as.
Alinha com um eixo.
Ευθυγράμμισε με άξονα
軸に部品をセットしよう。

**12**

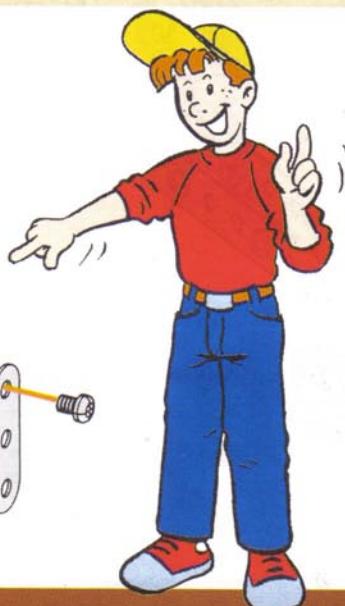
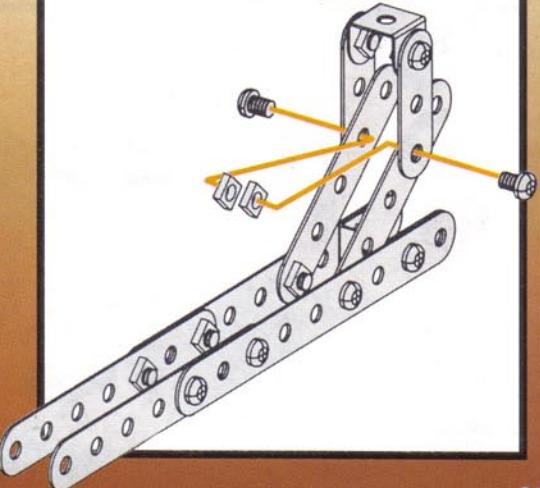
x 2



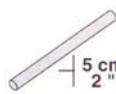
x 1

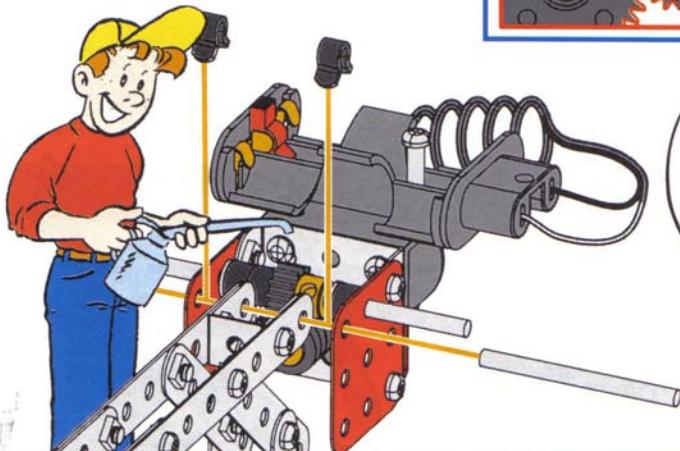


x 2

**13****11 + 12**

14**8 + 13 +**

-  5 cm
2" x 1
-  x 2



Oil the axles or bearing supports.
Huile les supports d'axes ou paliers.

Ole die Achsen oder Lager.
Lubrifica le assi o sostegni di supporto.

En droppe olja i lagren.
Öljä akselit tai laakerit.

Aksel- eller lejestøtter smøres.

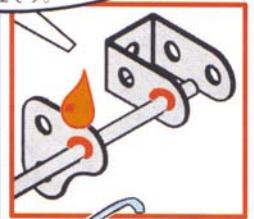
Pon aceite en los soportes para ejes o barras.

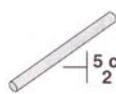
Olie de assen of de lagersteunstukken.

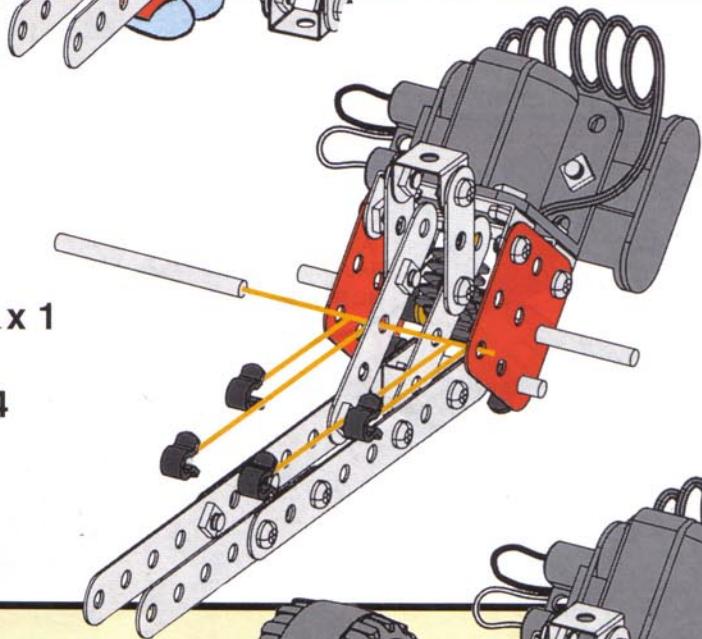
Lubrifica os suportes para eixos ou barras.

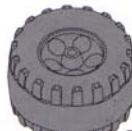
Λάδωσε τους άξονες και τις βάσεις στήριξης.

軸受けや軸受け台にも
油を注そう。

**15****14 +**

-  5 cm
2" x 1
-  x 4

**16****15 +**

-  x 2

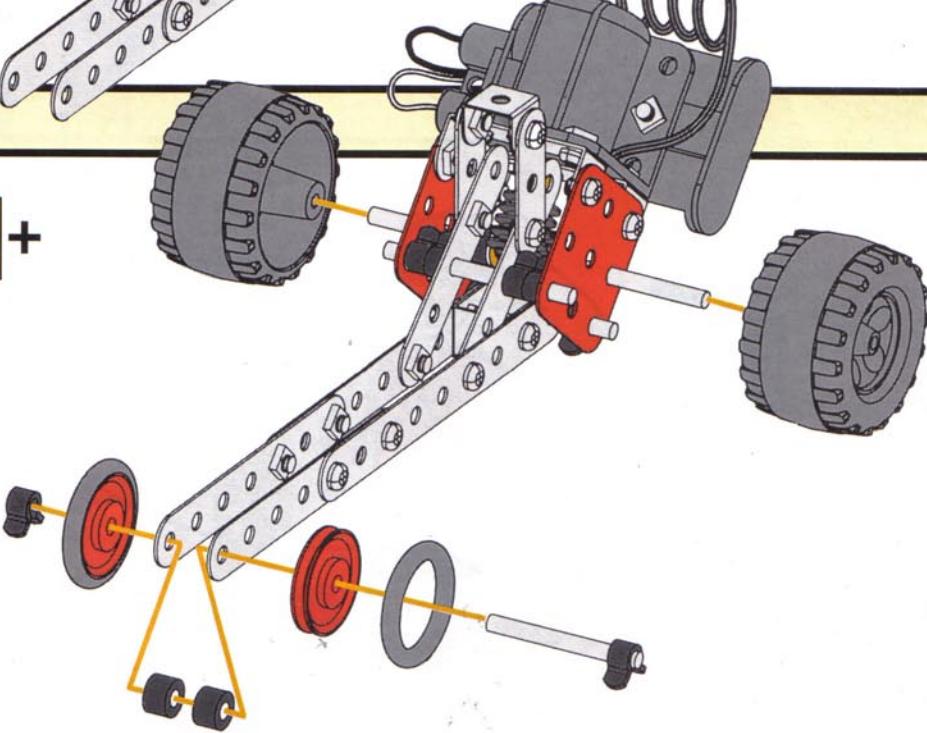
-  x 2

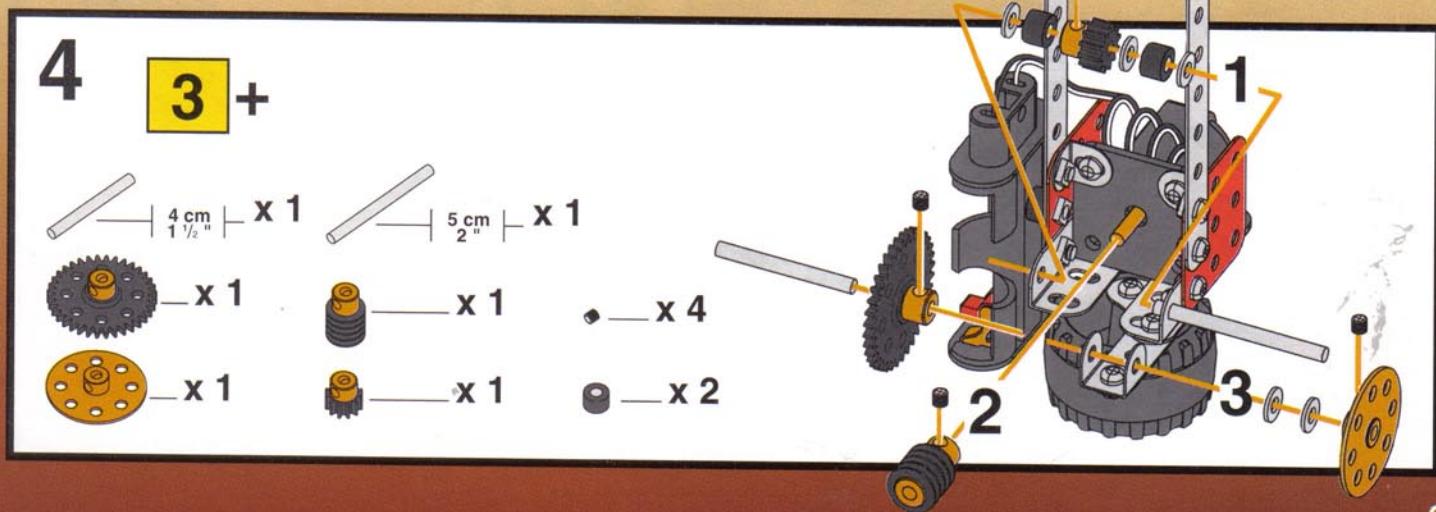
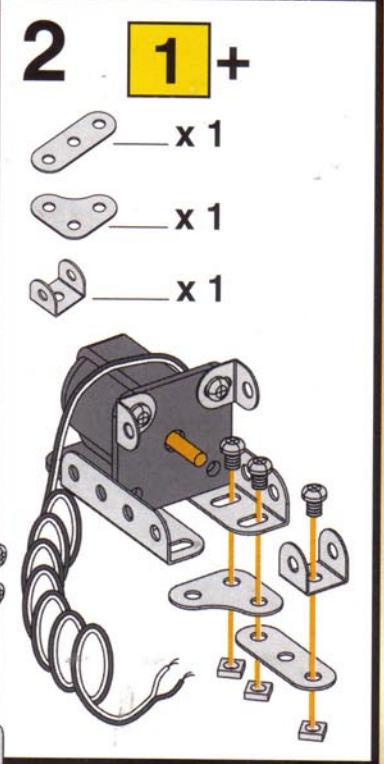
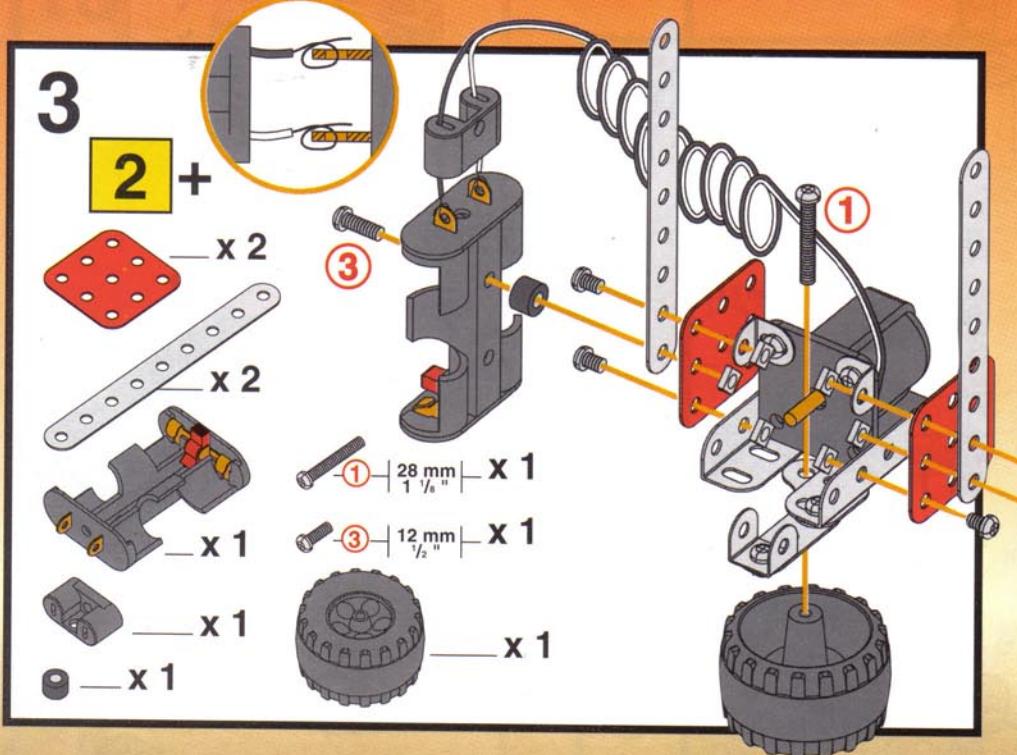
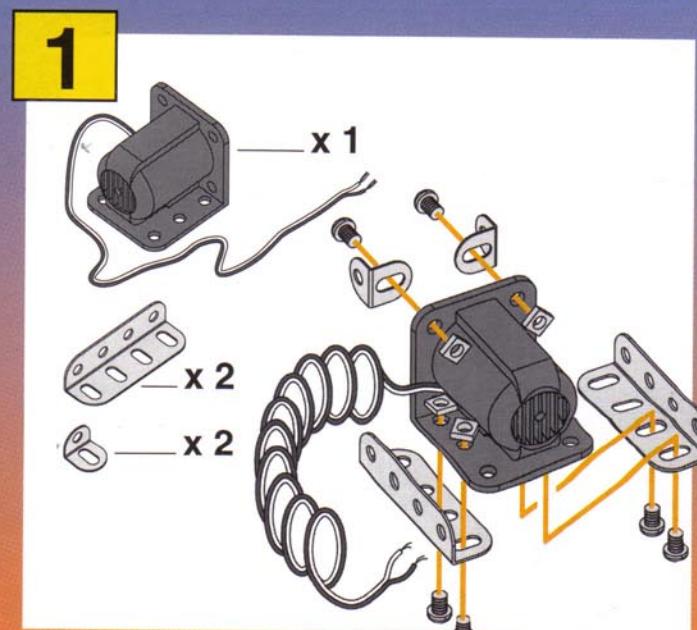
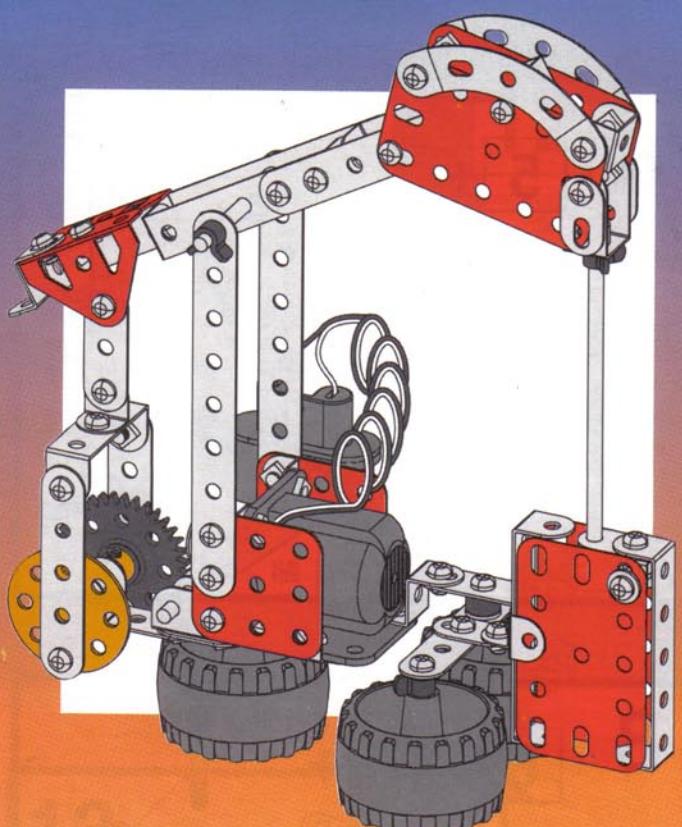
-  x 2

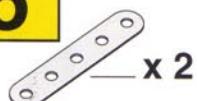
-  4 cm
1 1/2" x 1

-  x 2

-  x 2



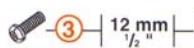


5

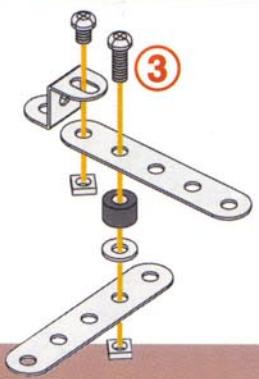
x 2



x 1



x 1

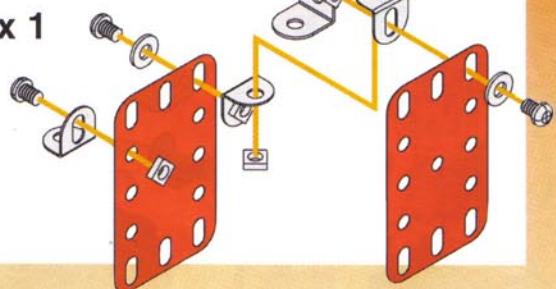
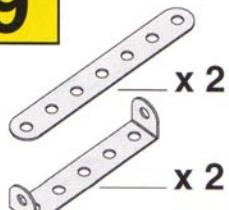
Screw (3) | 12 mm | $\frac{1}{2}$ " x 1**7**

x 2

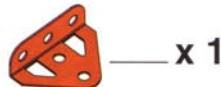


x 3

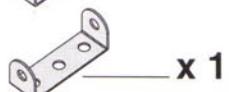
x 1

**9**

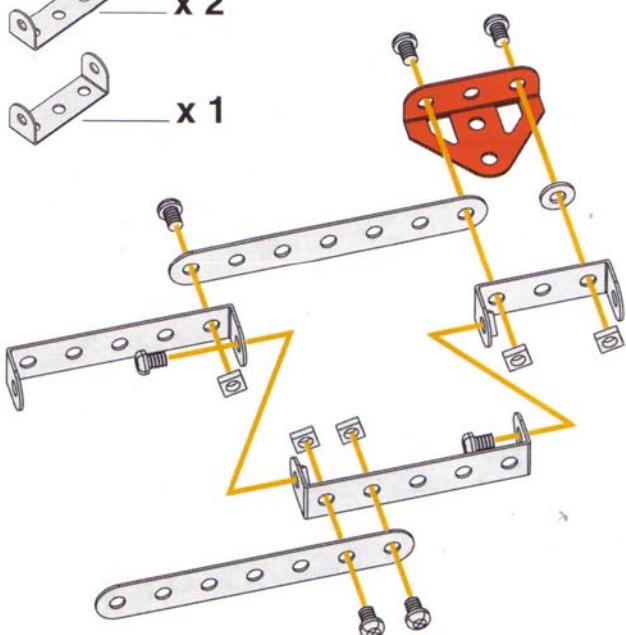
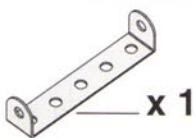
x 2



x 1



x 1

**6****5 +**

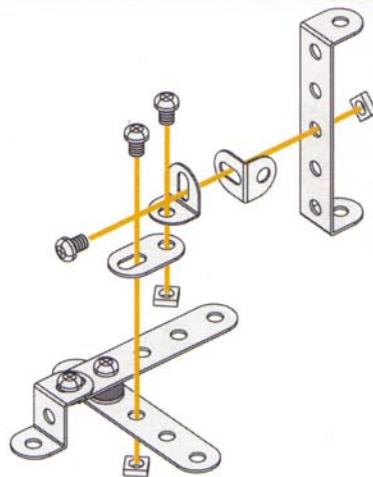
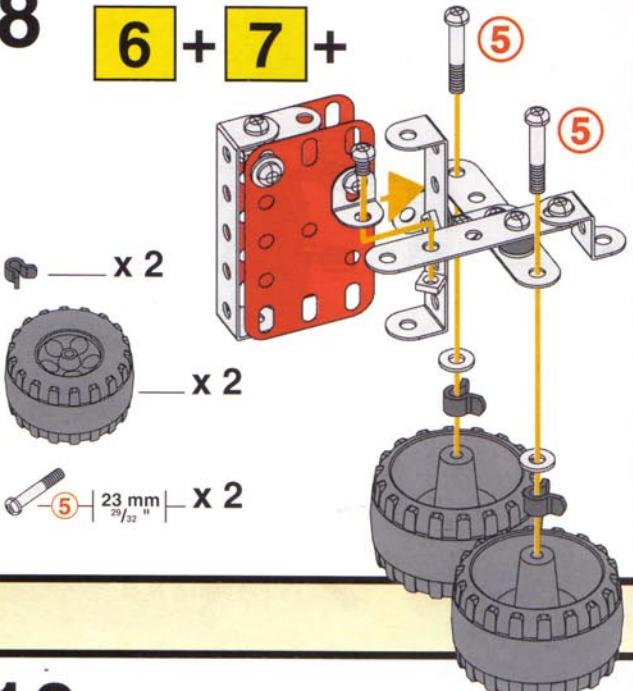
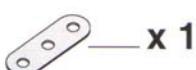
x 1



x 2



x 1

**8****6 + 7 +****10****9 +**

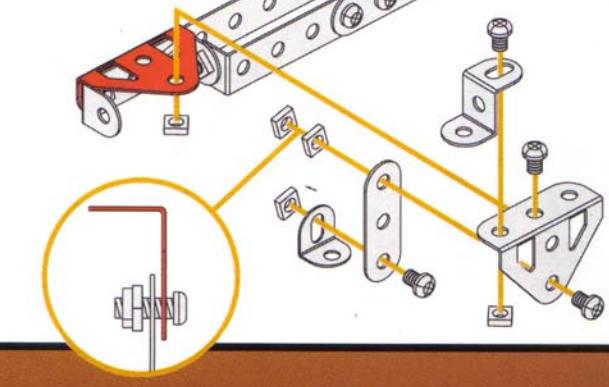
x 1

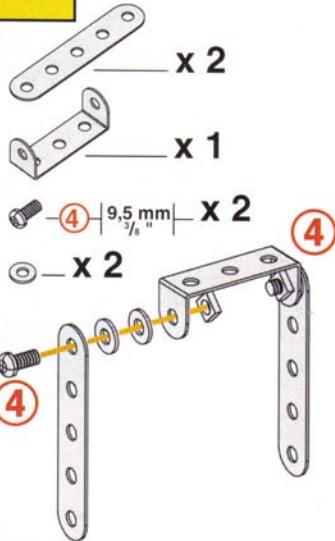
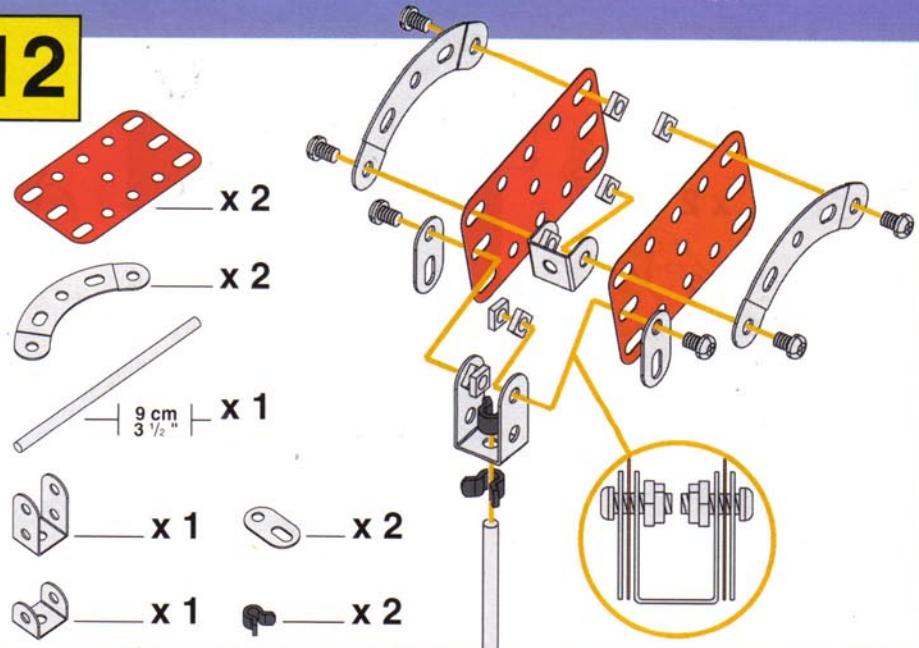


x 1

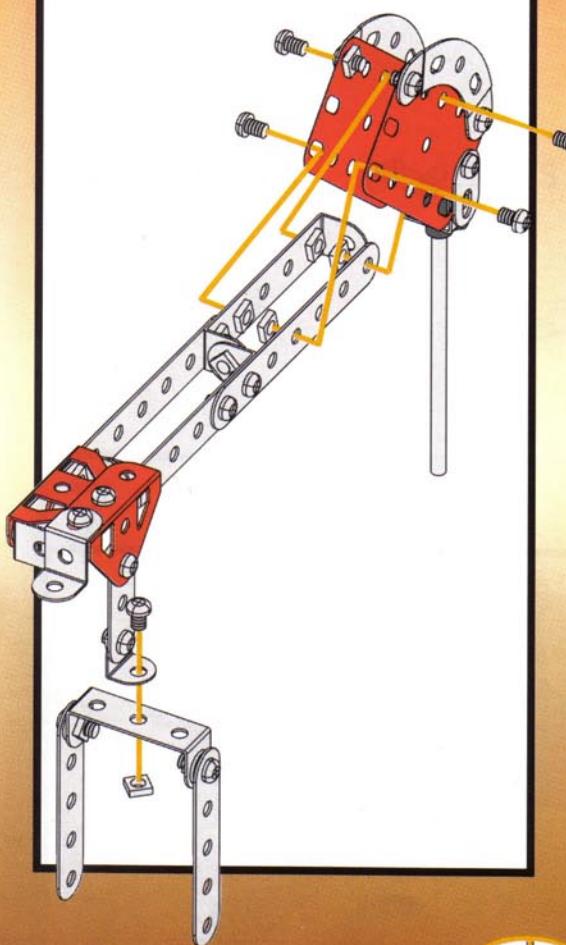


x 1

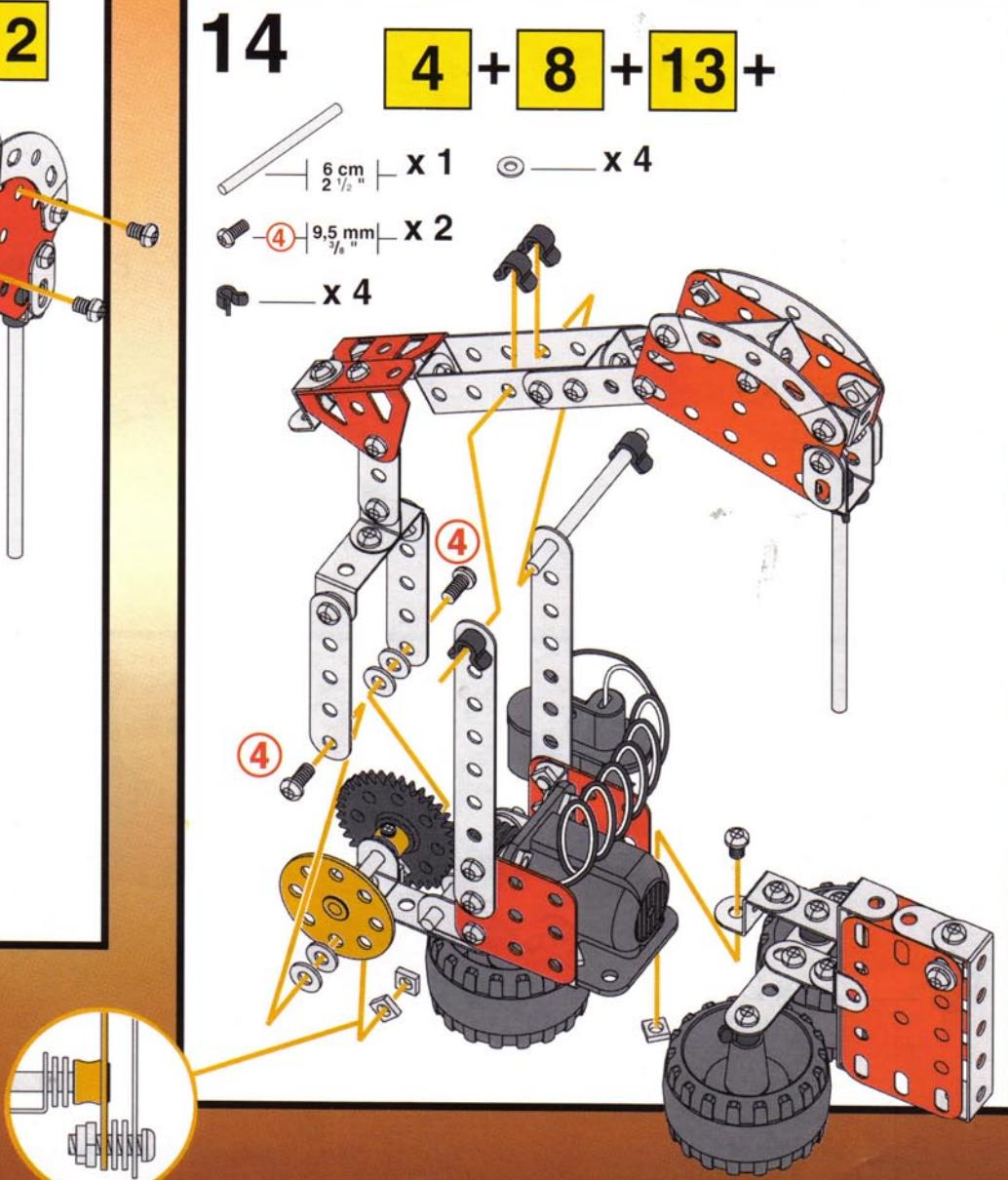


11**12****13**

$$10 + 11 + 12$$

**14**

$$4 + 8 + 13 +$$



1

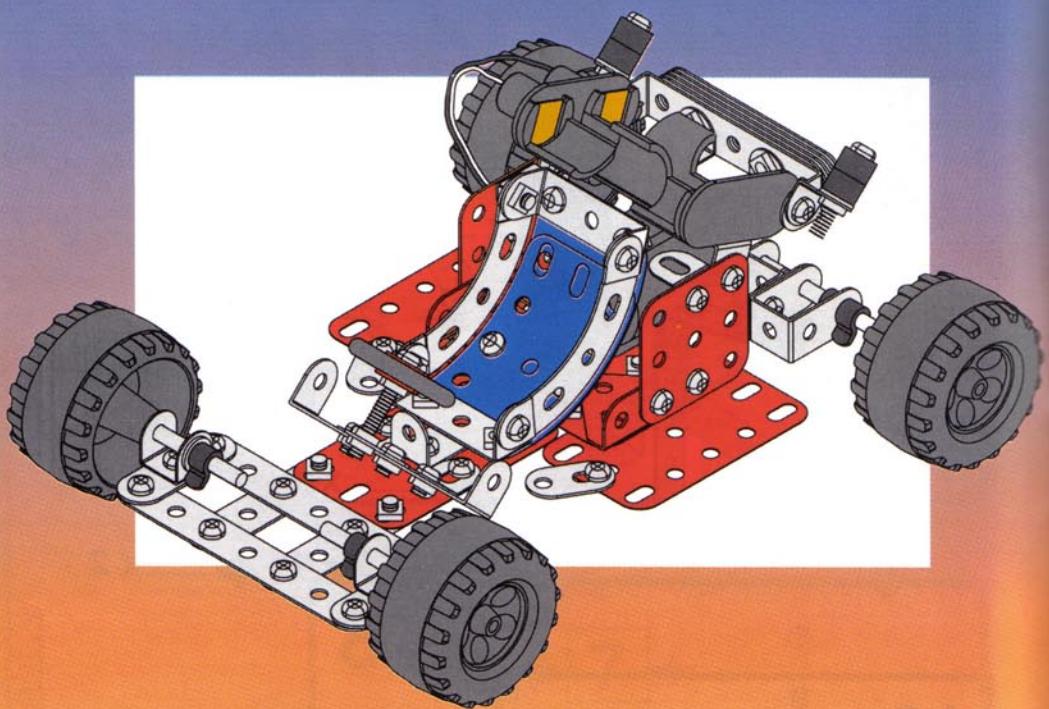
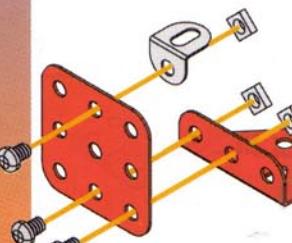
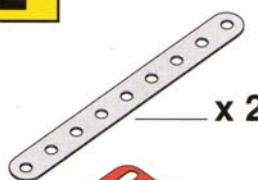
x 2



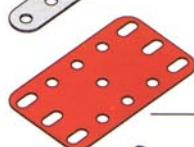
x 2



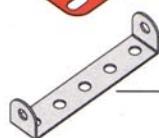
x 2

**2**

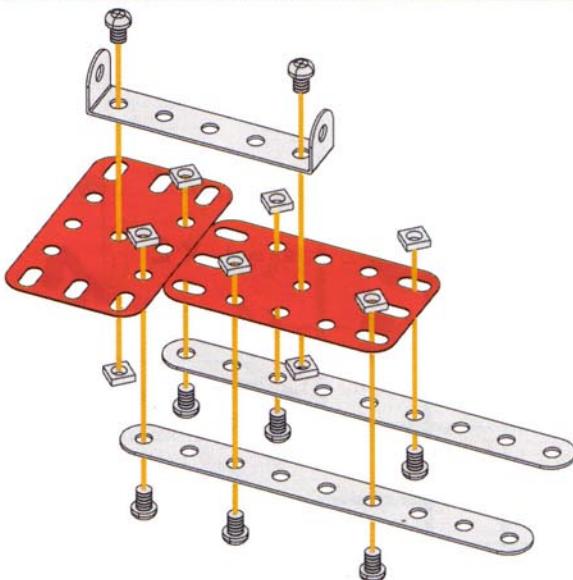
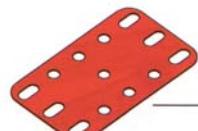
x 2



x 2



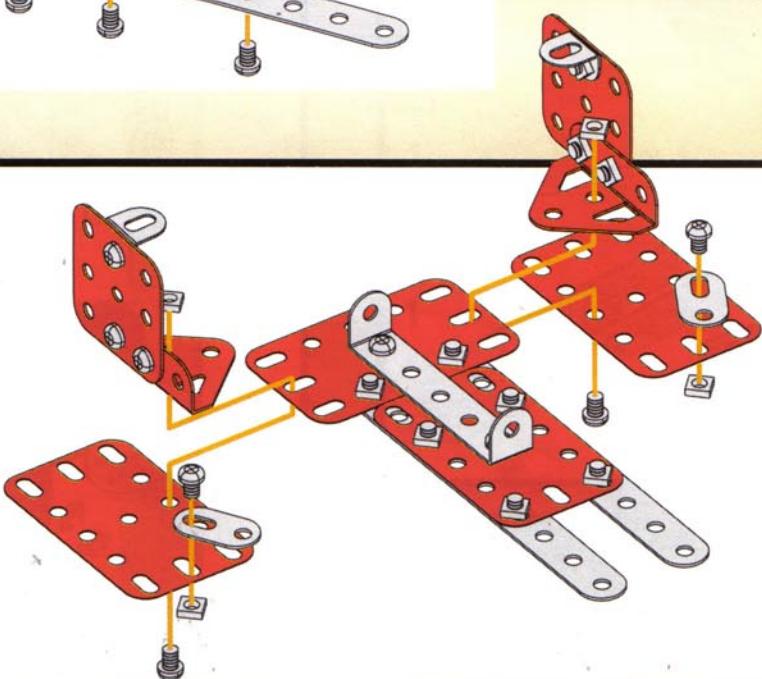
x 1

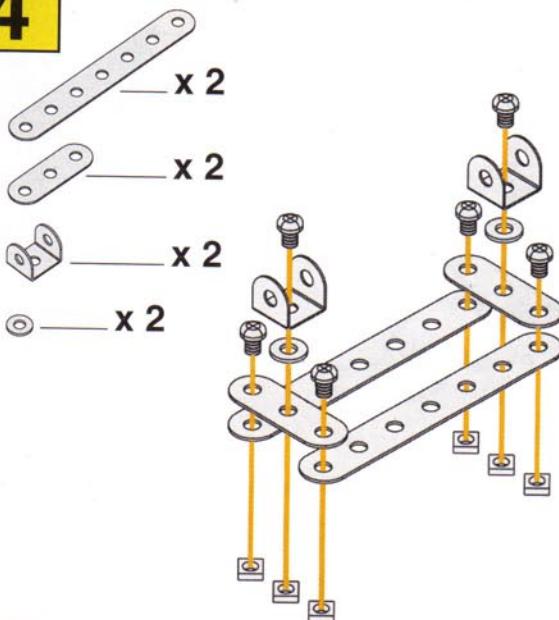
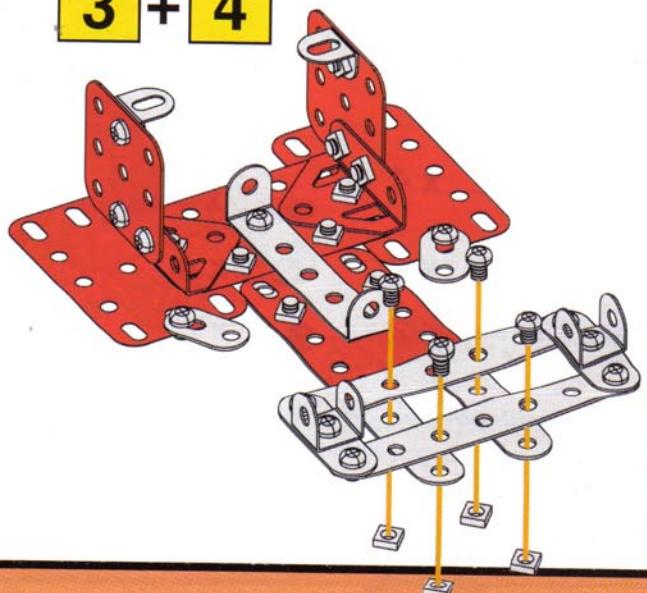
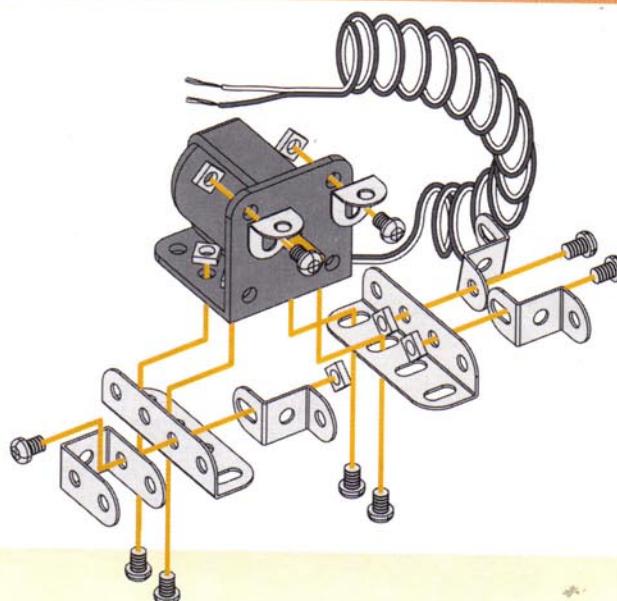
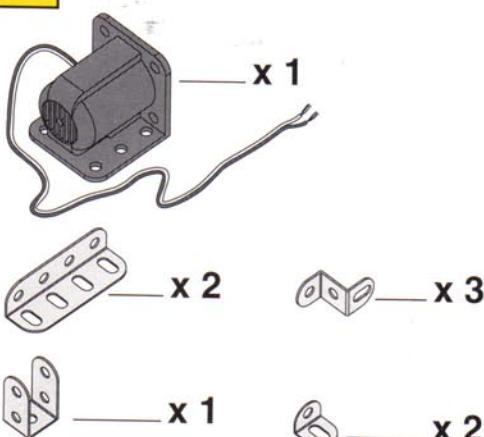
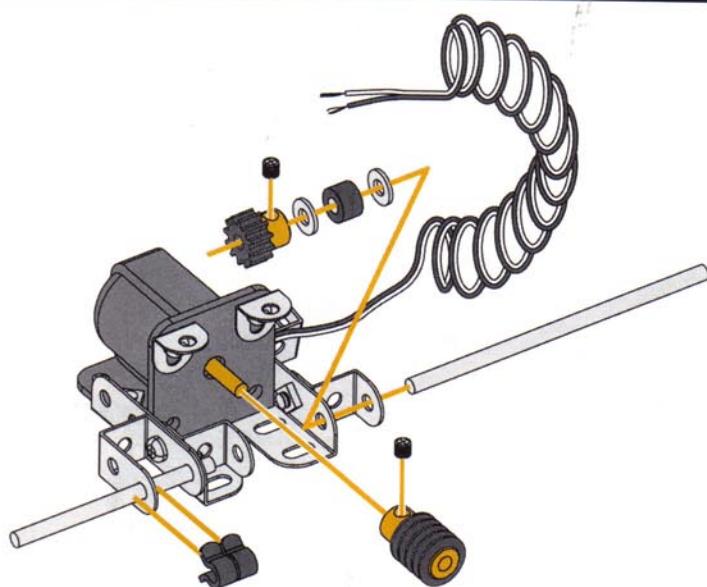
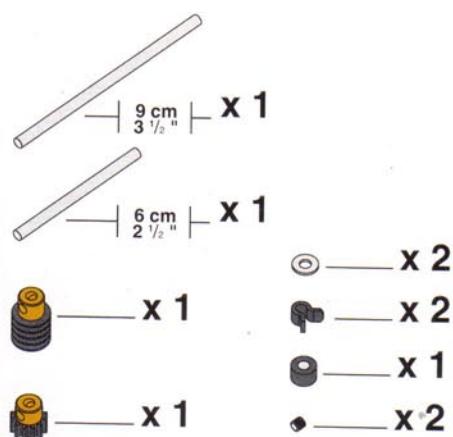
**3****1 + 2 +**

x 2

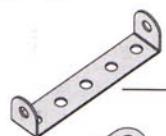
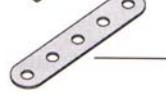
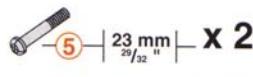
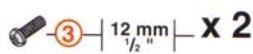


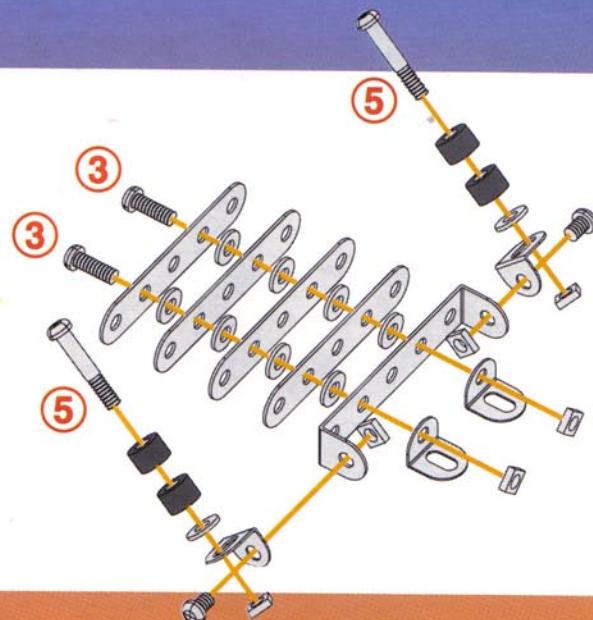
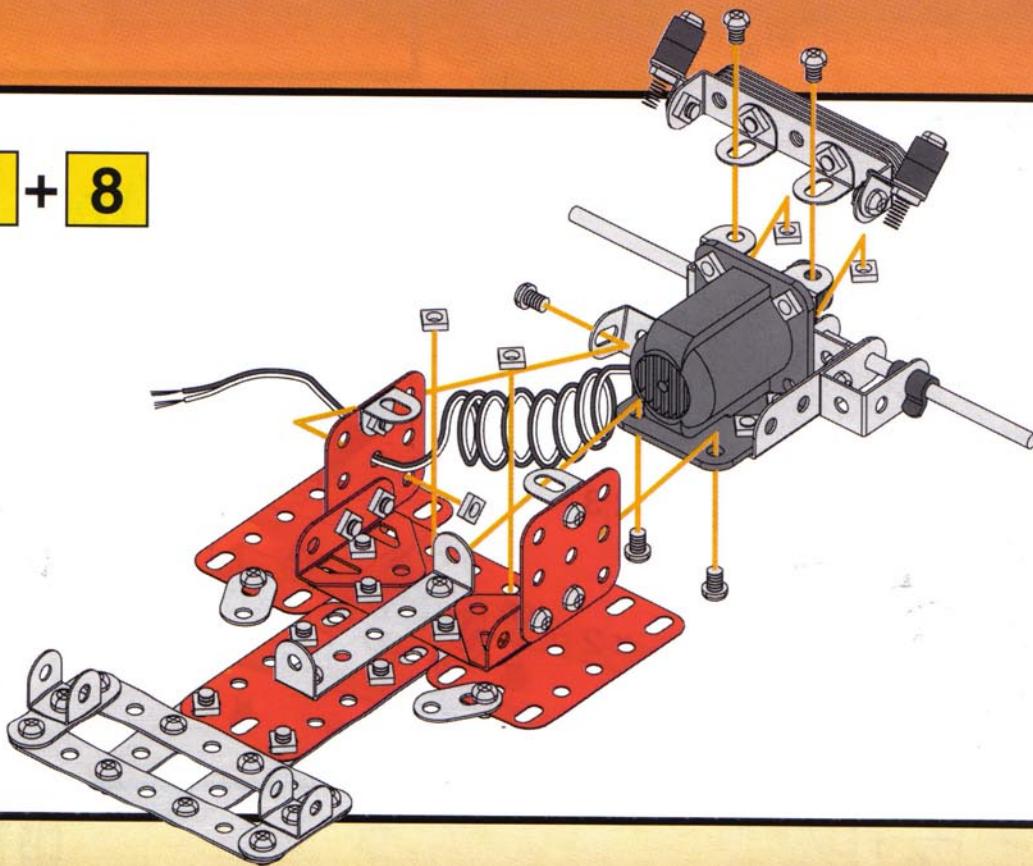
x 2

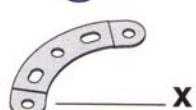
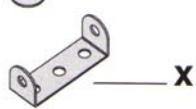


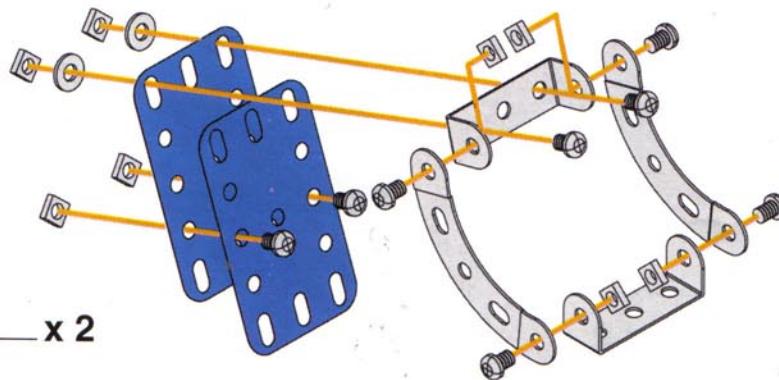
4**5****3 + 4****6****7****6 +**

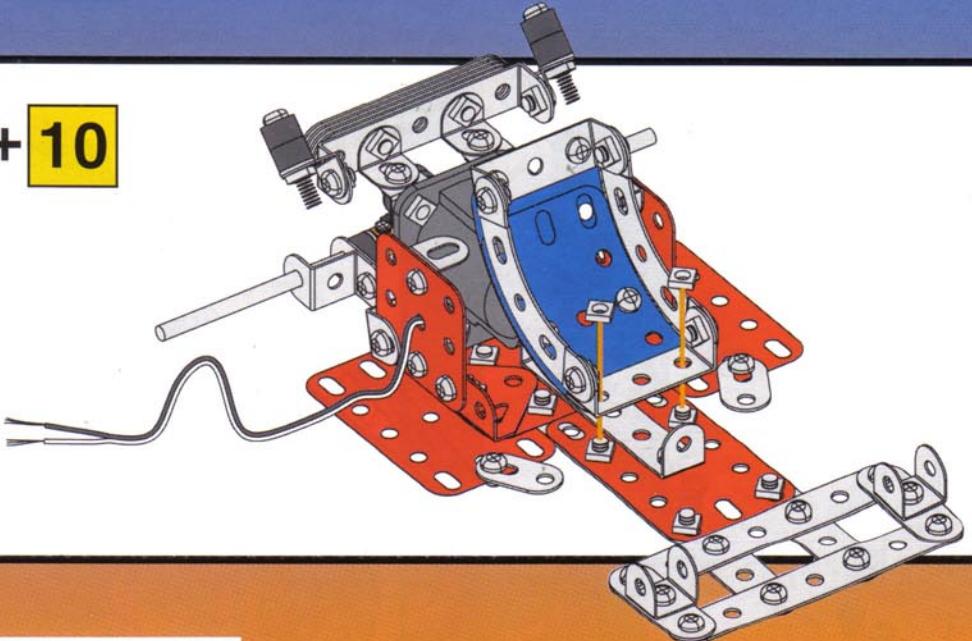
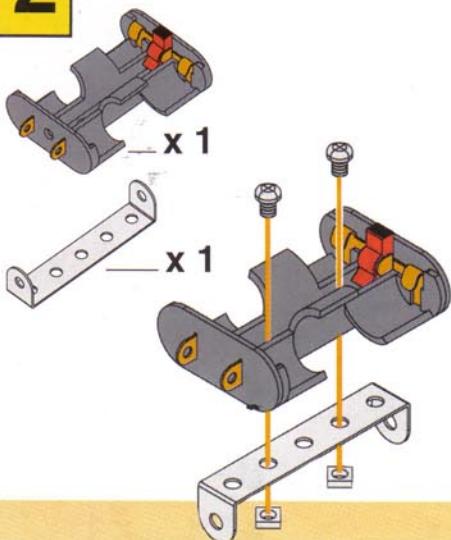
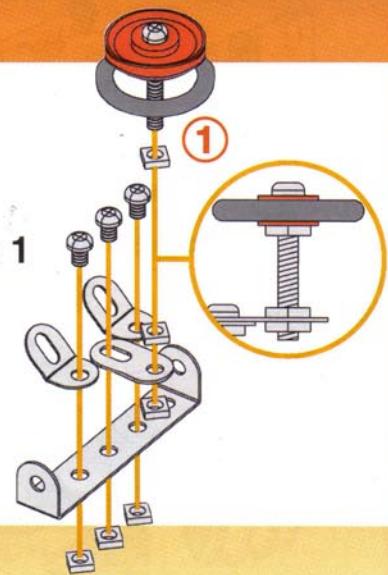
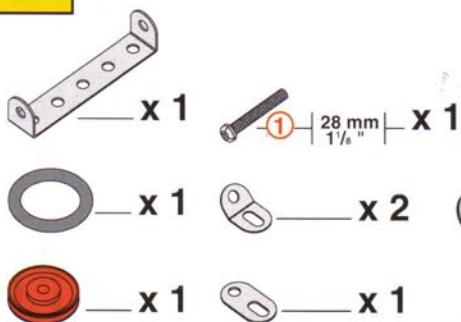
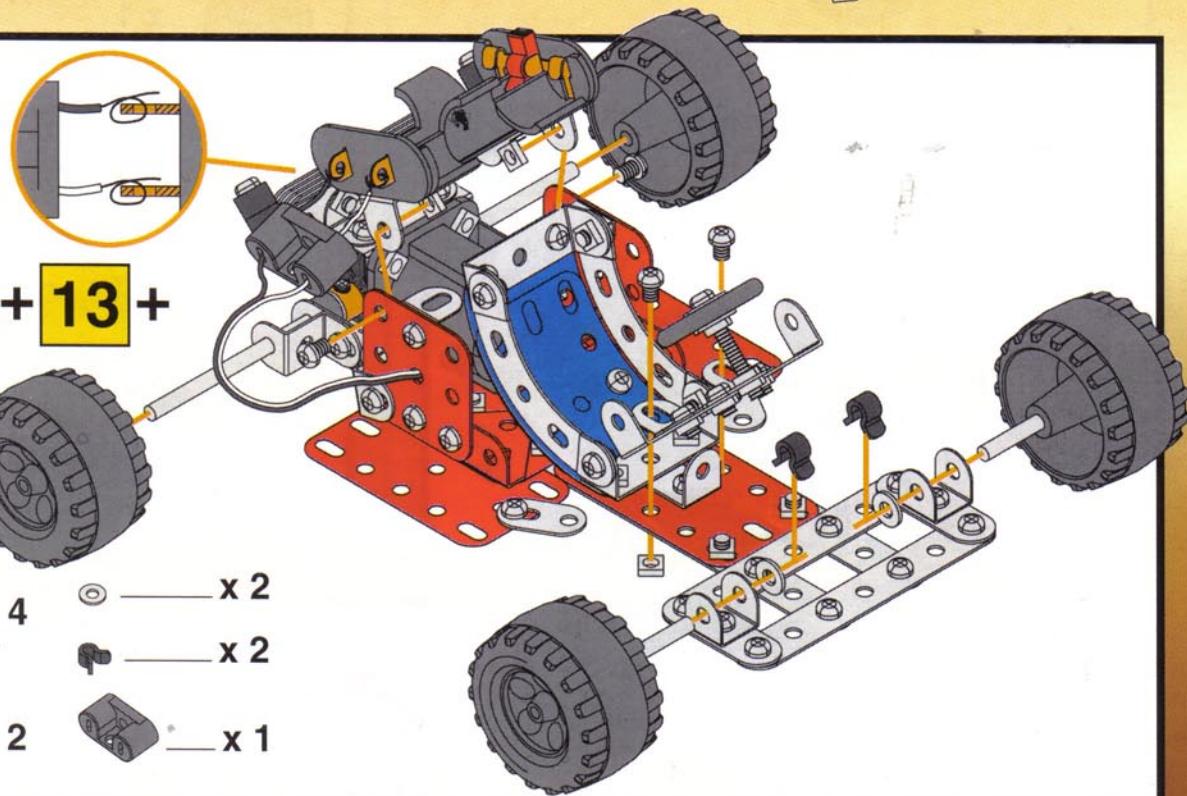
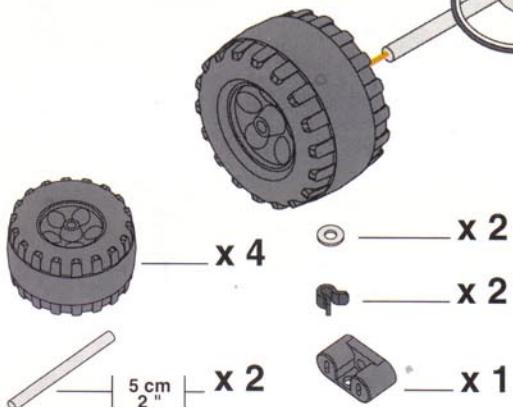
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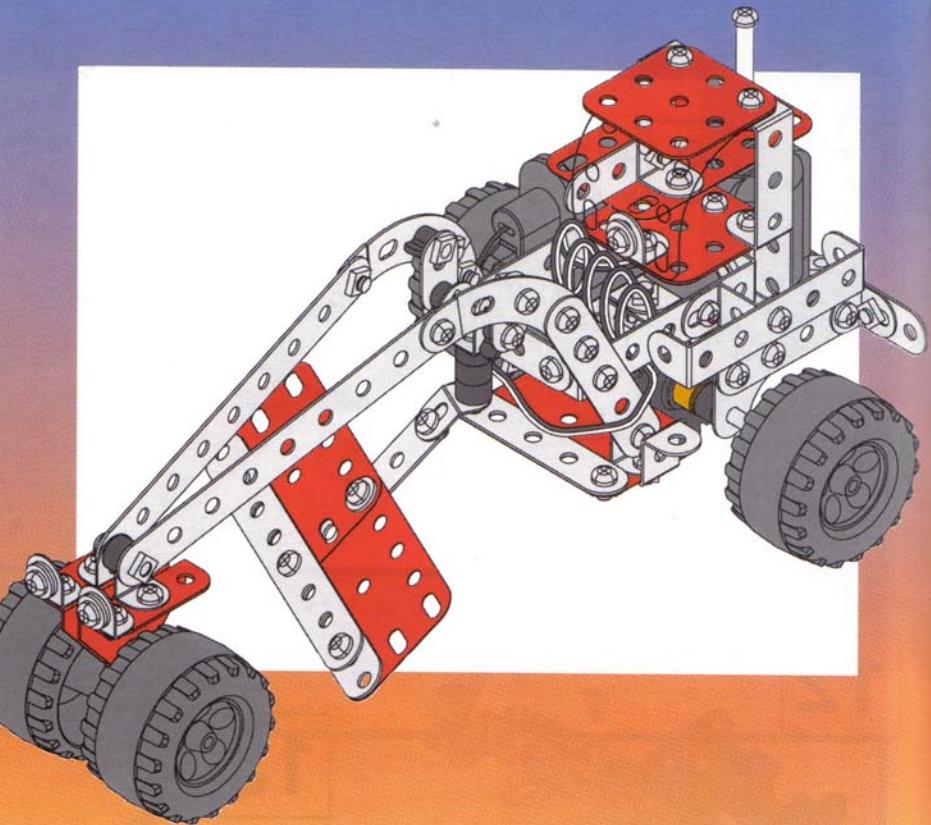
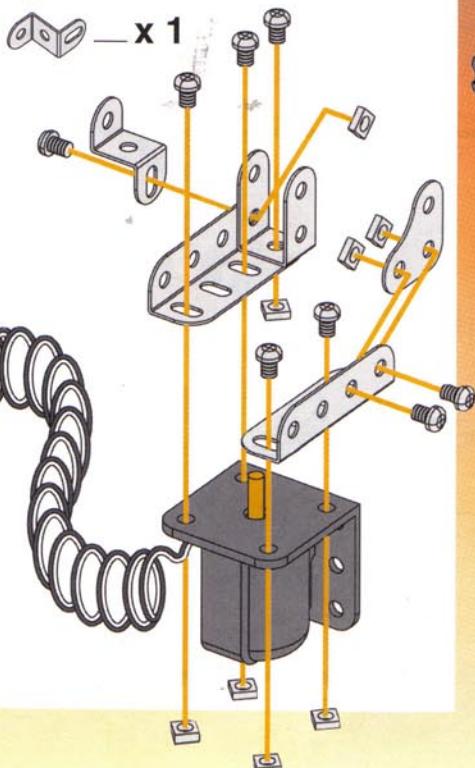
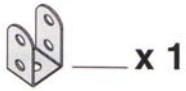
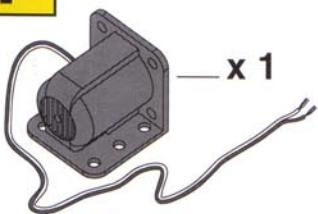
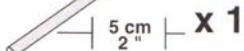
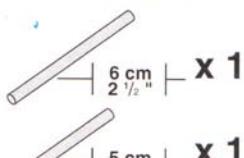
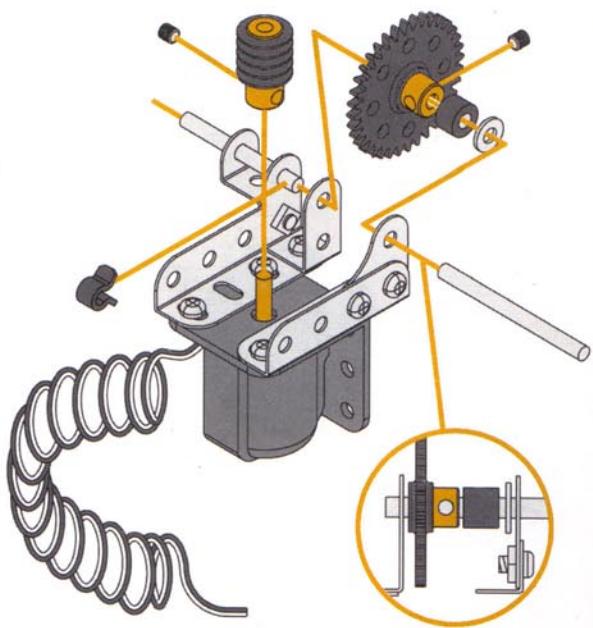
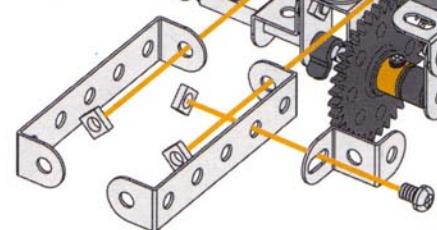
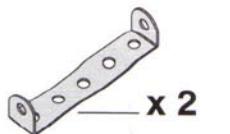
-  x 1
-  x 4
-  x 2
⑤ | 23 mm | 23/32"
-  x 2
③ | 12 mm | 1/2"

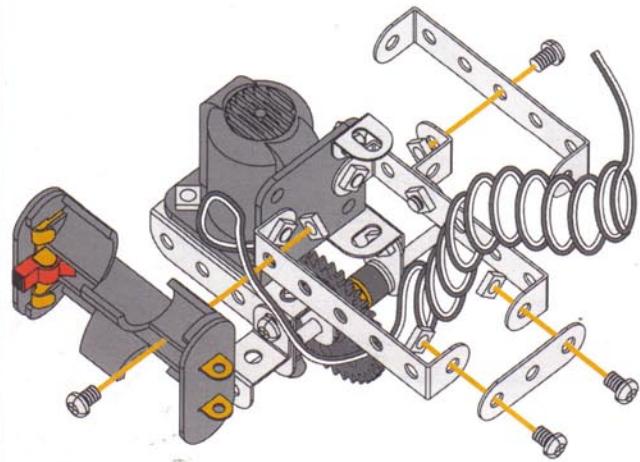
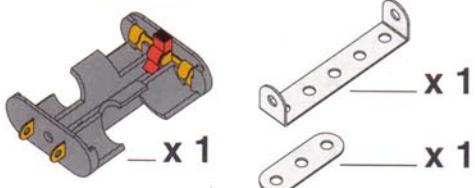
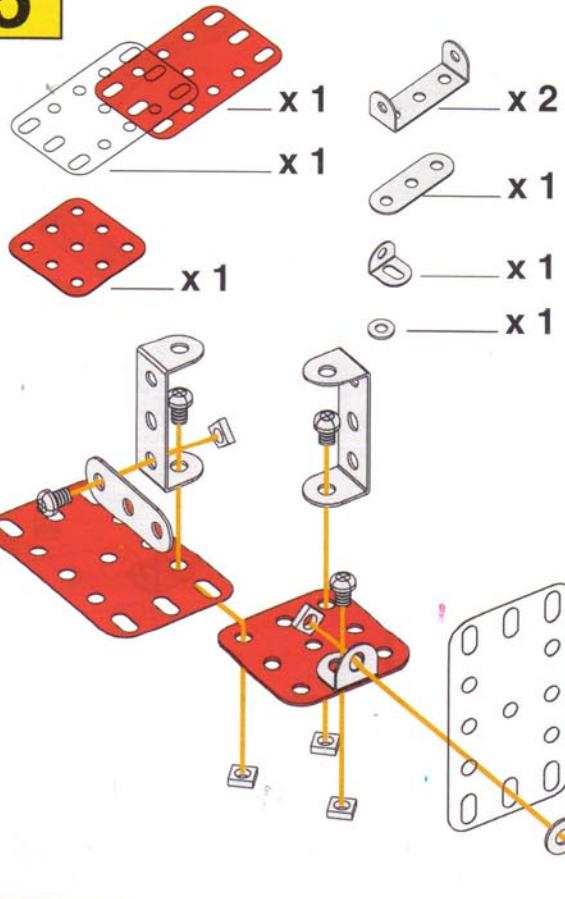
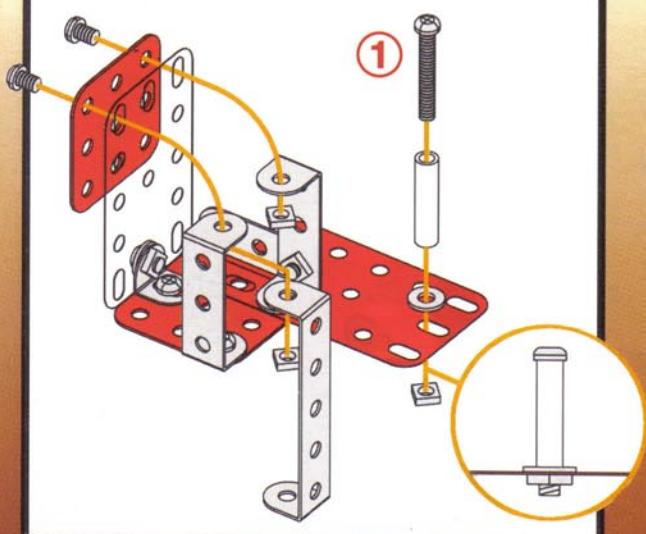
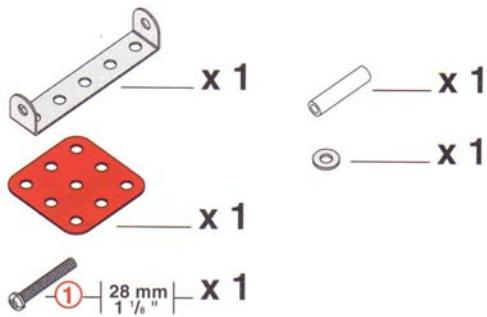
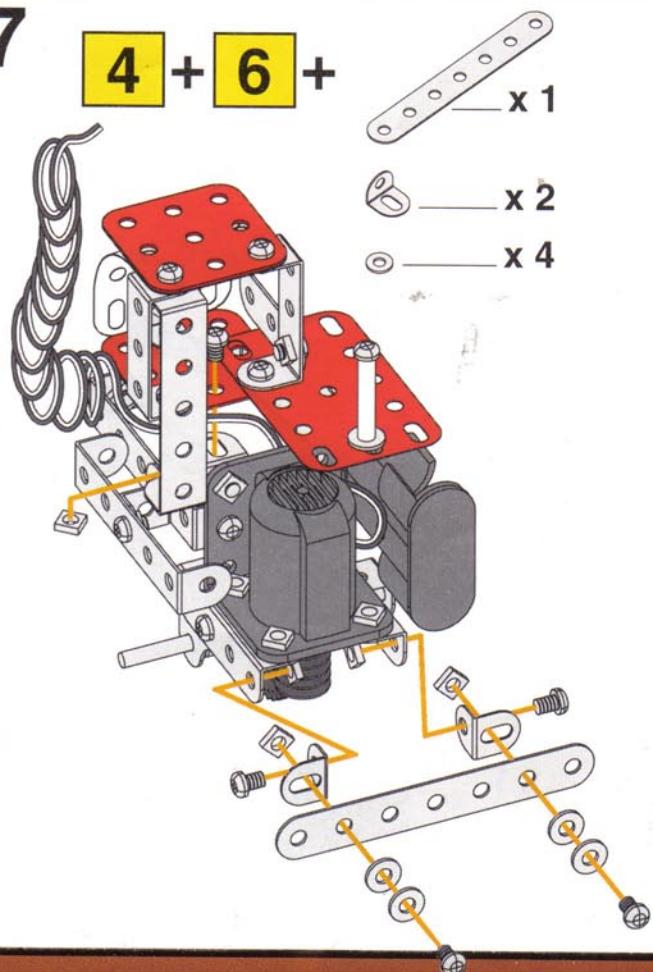
**9****5 + 7 + 8****10**

-  x 2
-  x 2
-  x 2
- x 2

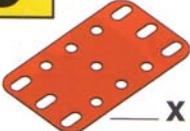
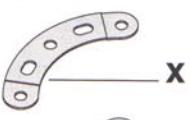
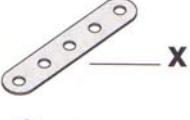
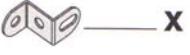


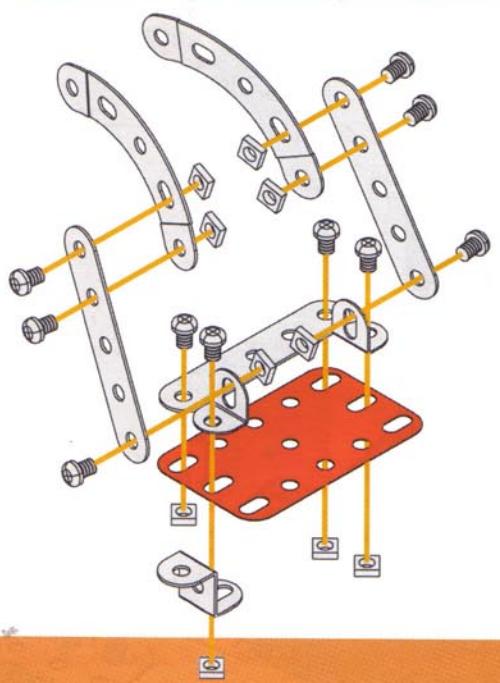
11**9 + 10****12****13****14****11 + 12 + 13 +**

1**2****1 +****3****2 +**

4**3 +****5****6****5 +****7****4 + 6 +**

8

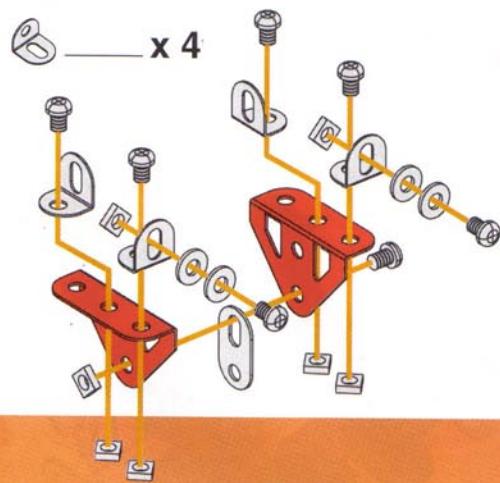
-  x 1
-  x 2
-  x 3
-  x 1
-  x 2

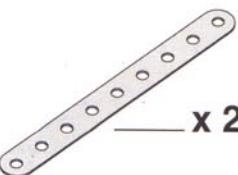
**9**

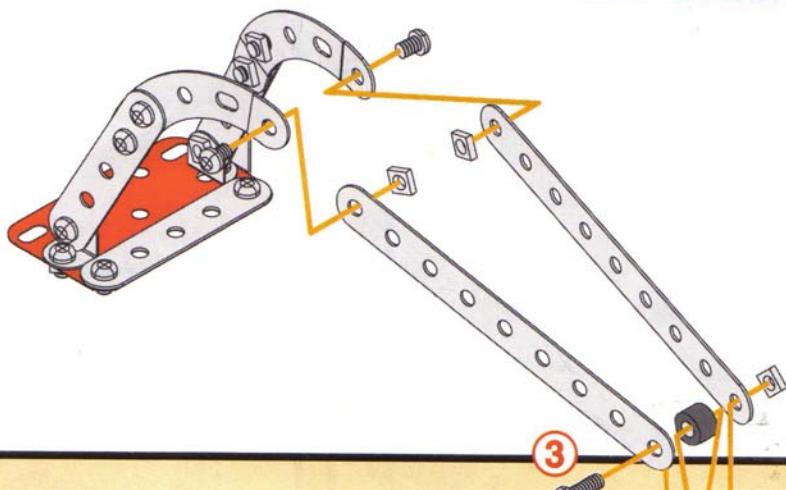
-  x 2
-  x 4

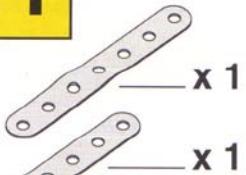
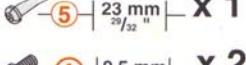
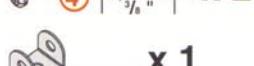
-  x 1

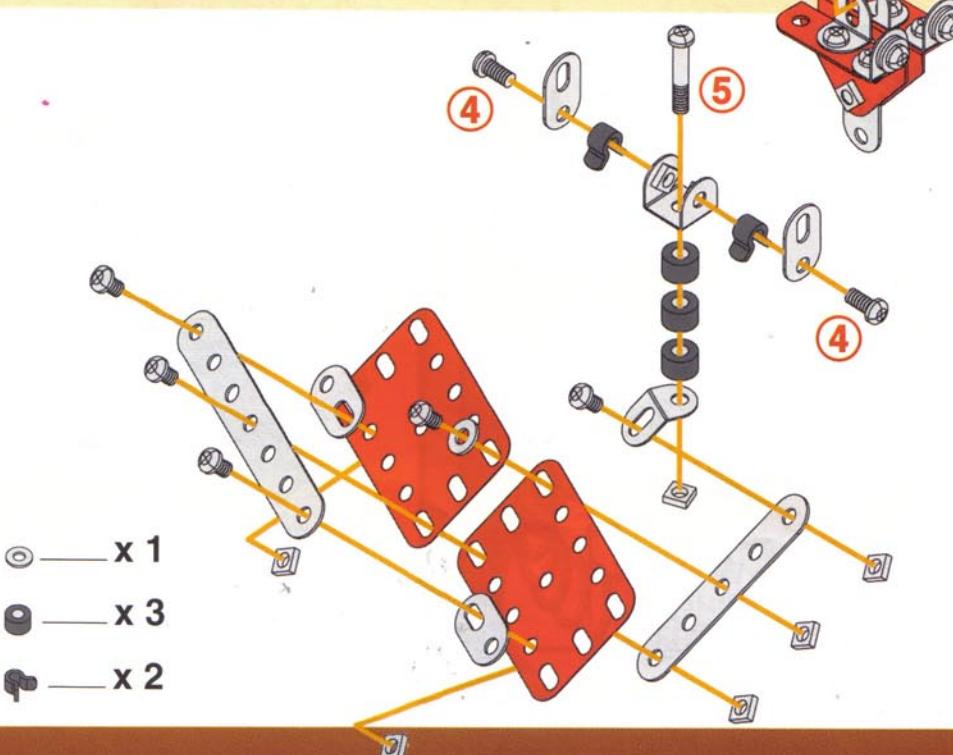
-  x 4

**10****8 + 9 +**

-  x 2
-  x 1
③ 12 mm $\frac{1}{2}$ "
-  x 1

**11**

-  x 1
-  x 1
-  x 2
-  x 1
⑤ 23 mm $\frac{29}{32}$ "
-  x 2
④ 9,5 mm $\frac{3}{8}$ "
-  x 1
-  x 1
-  x 4
- x 2

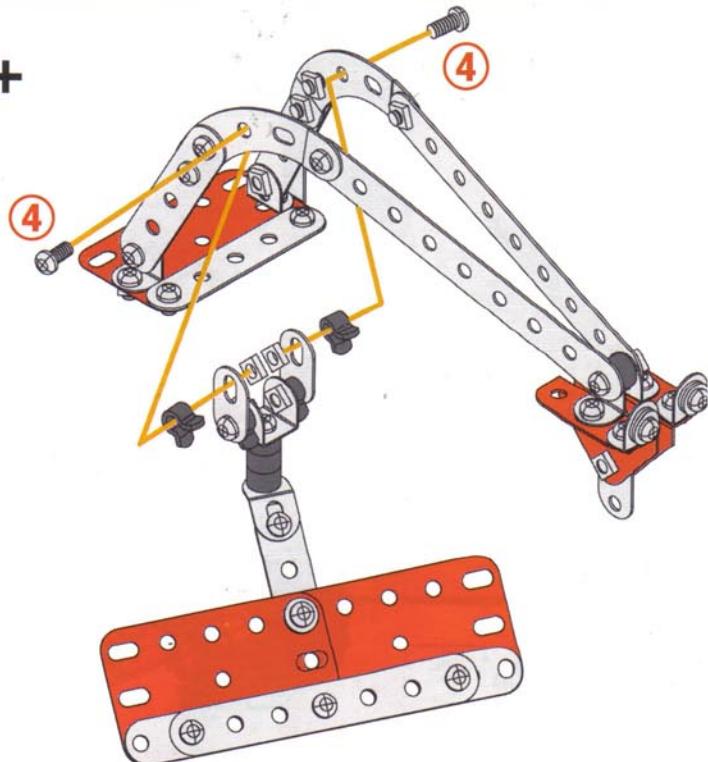


12

10 + 11 +

- ④ | 9,5 mm | $\frac{3}{8}$ " x 2

x 2



13

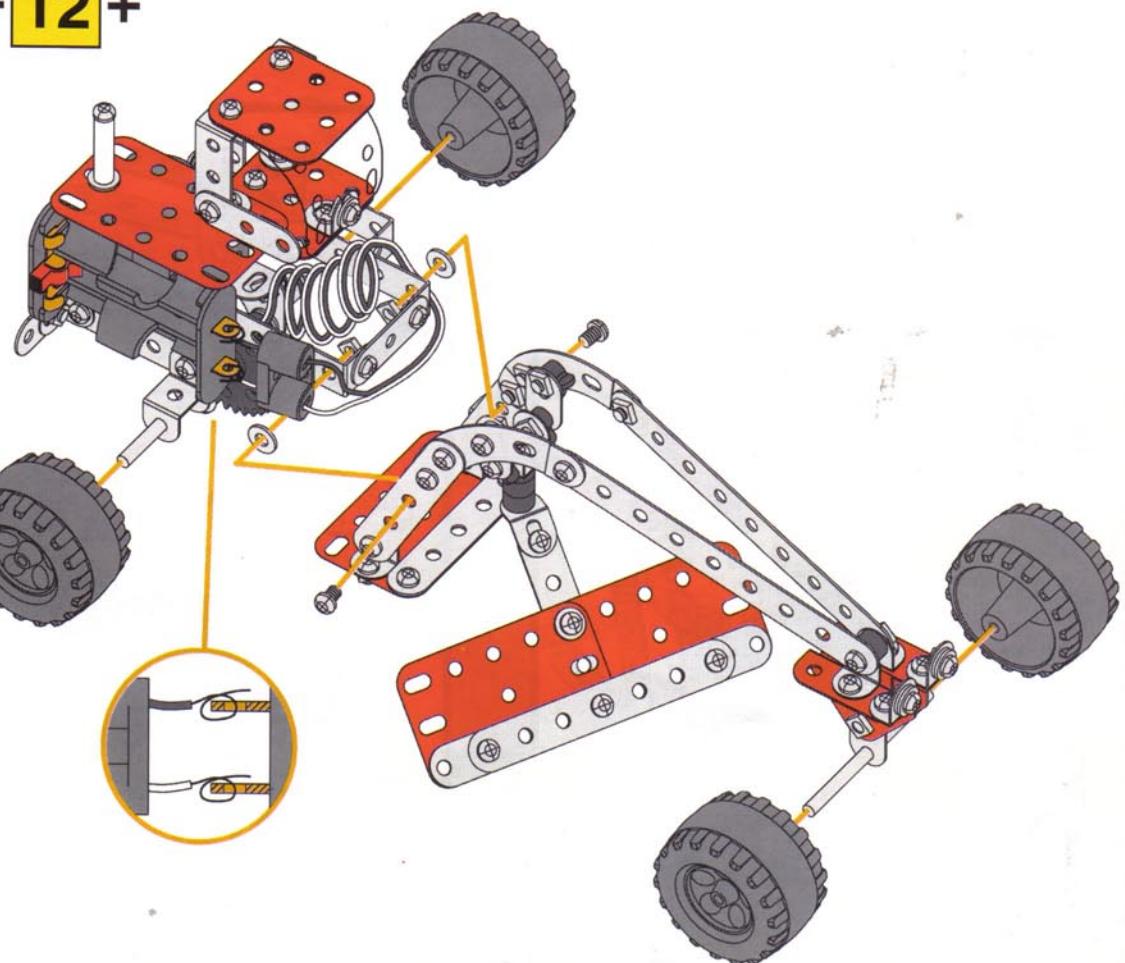
7 + 12 +

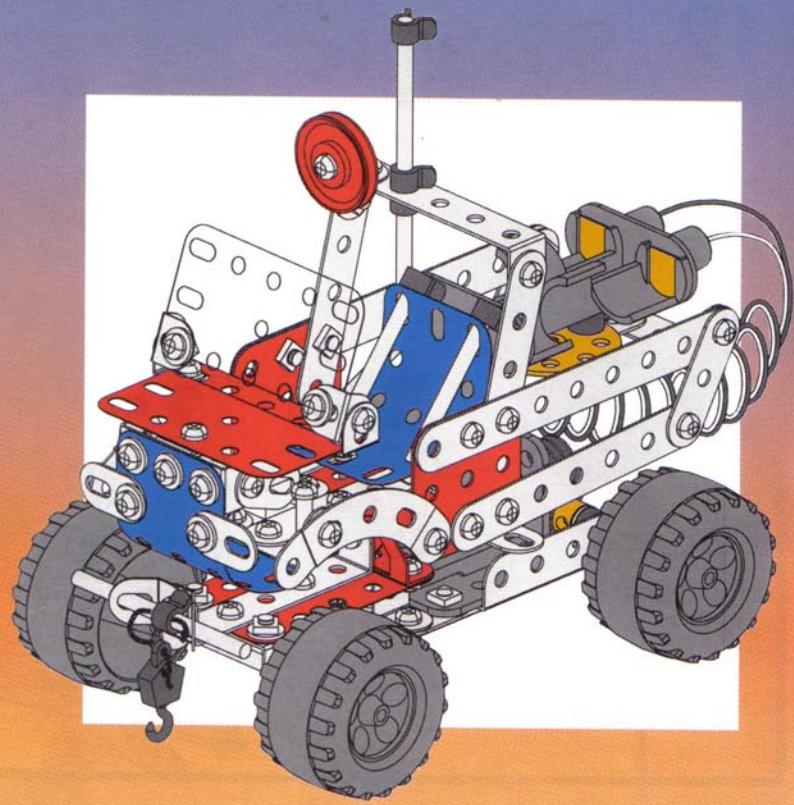
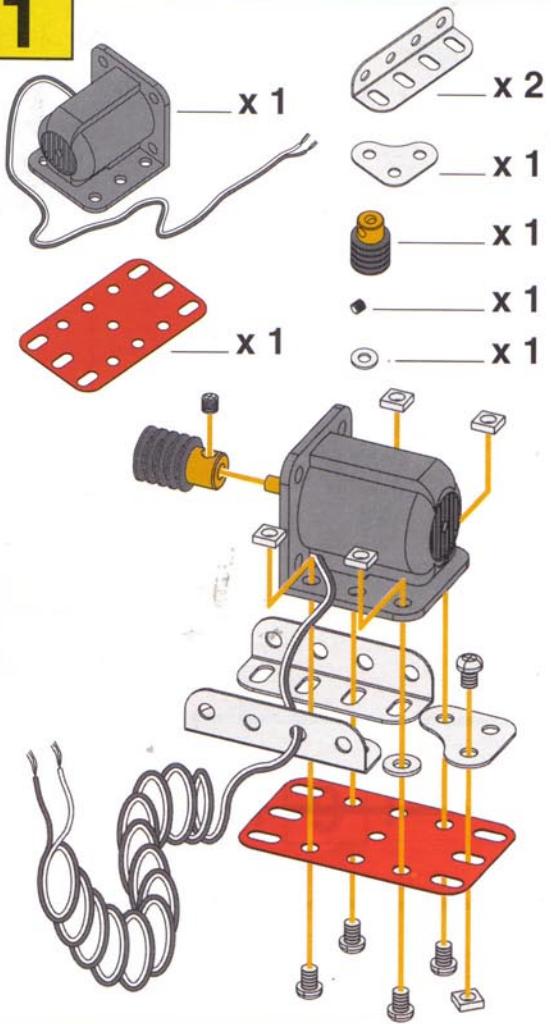
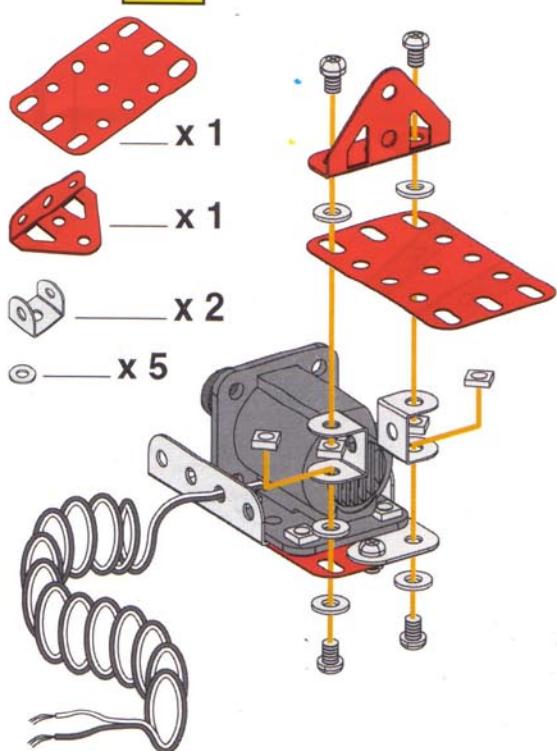
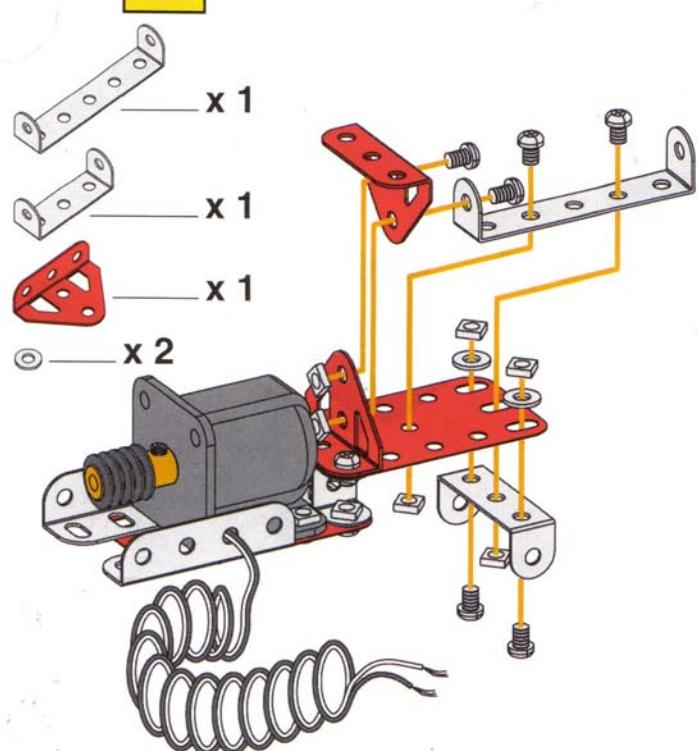
x 4

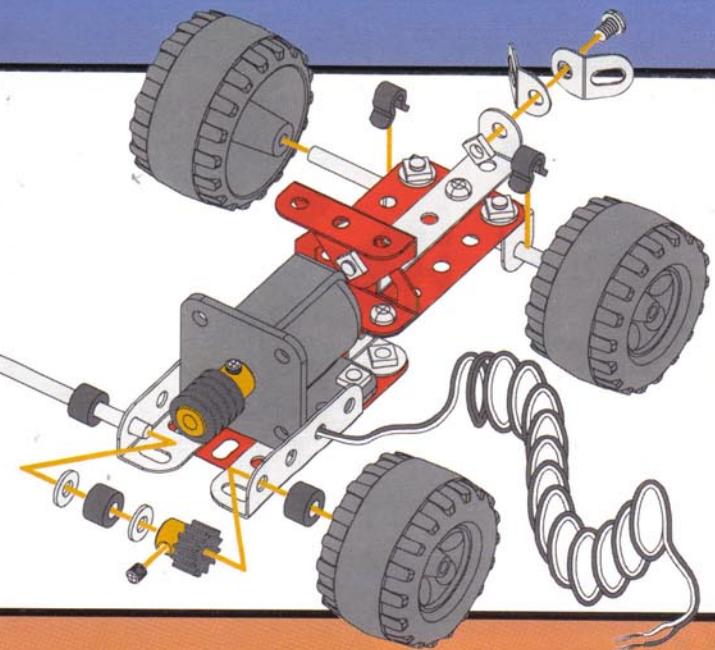
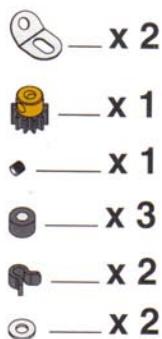
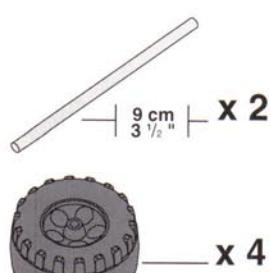
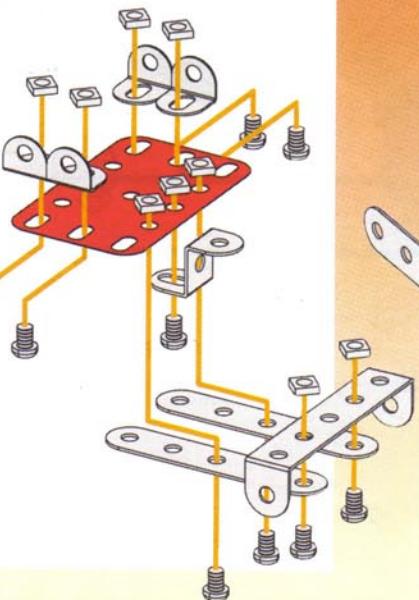
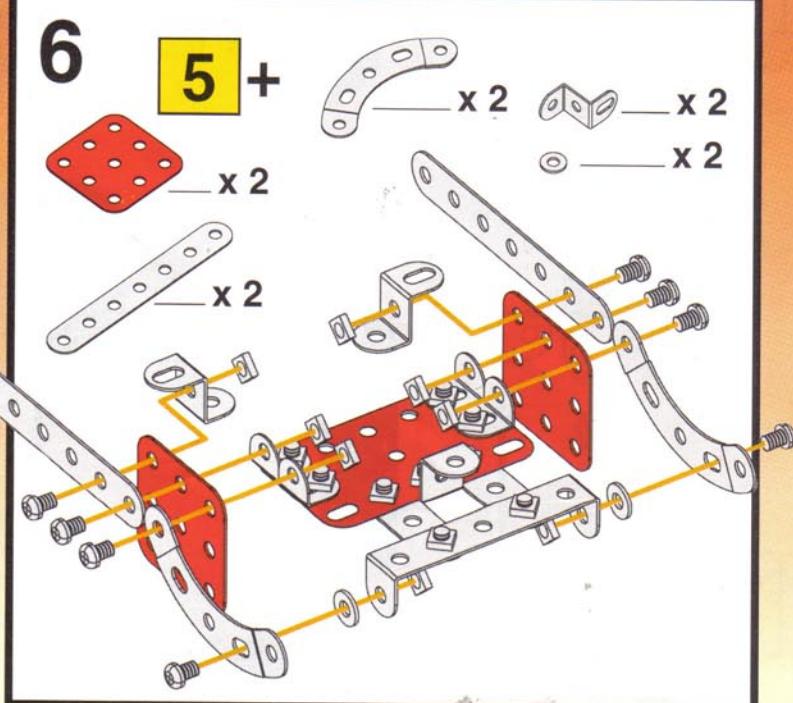
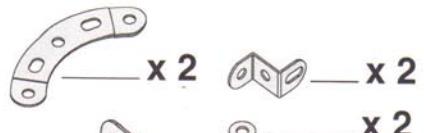
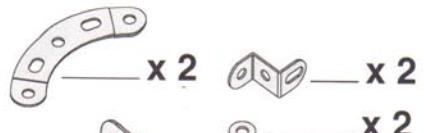
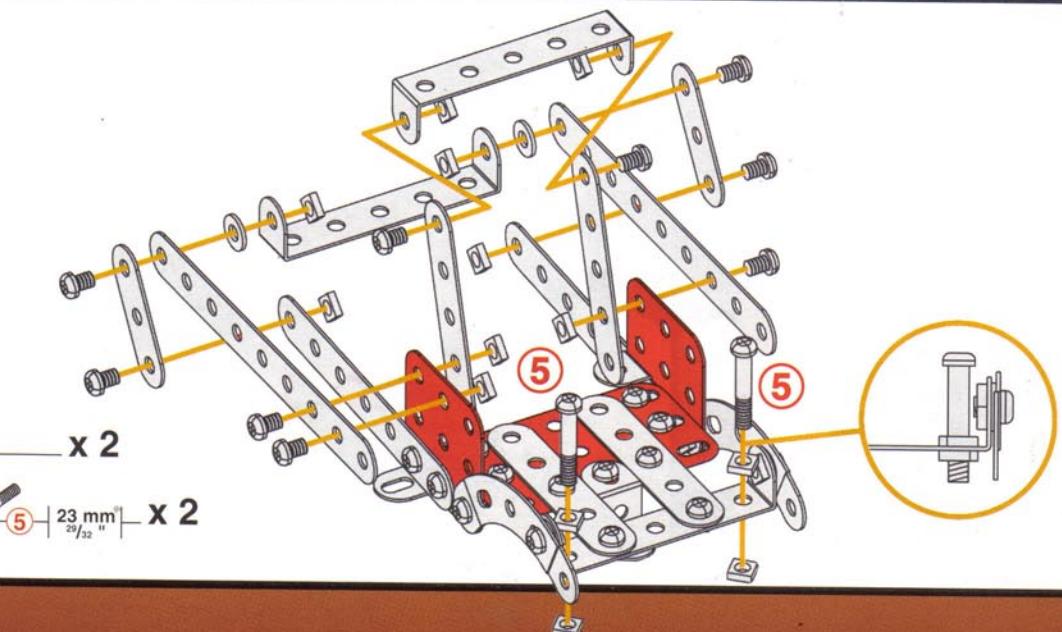
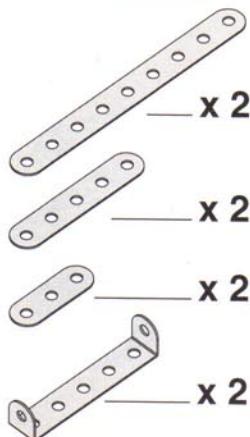
| 5 cm | $\frac{2}{5}$ " x 1

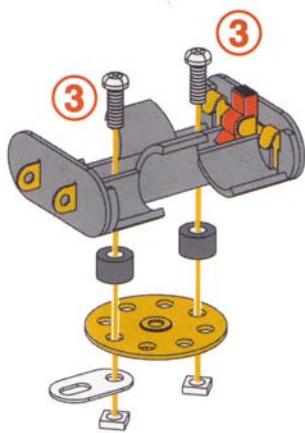
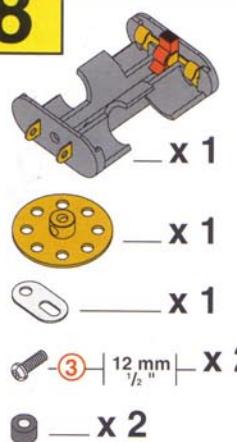
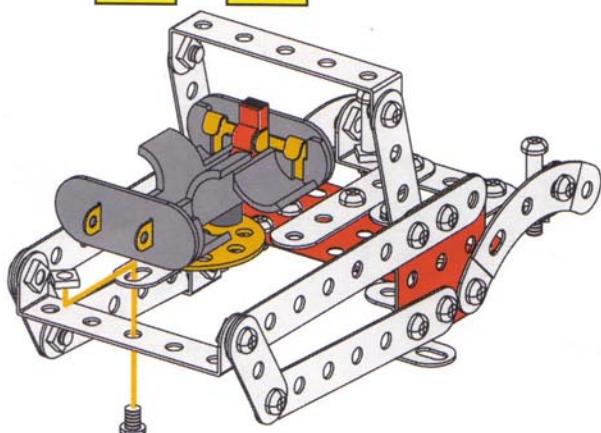
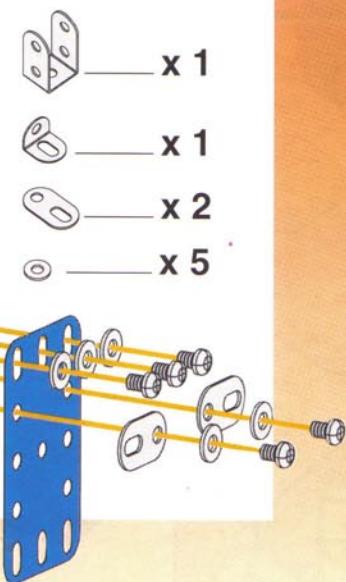
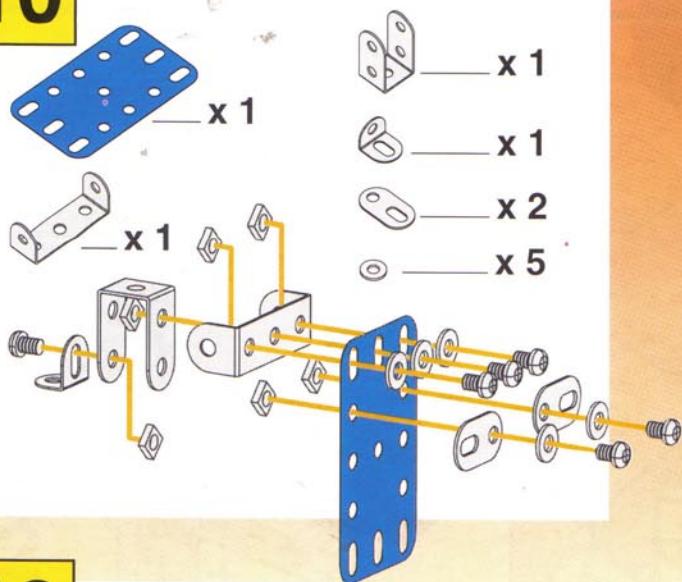
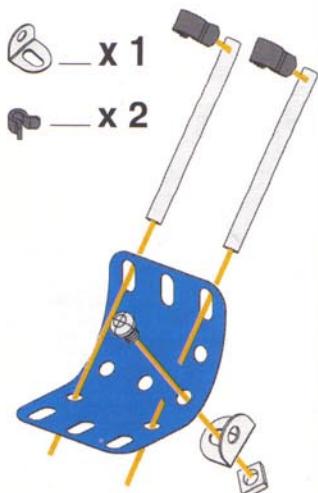
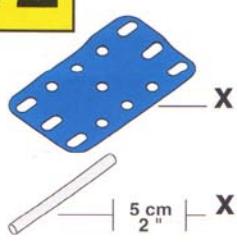
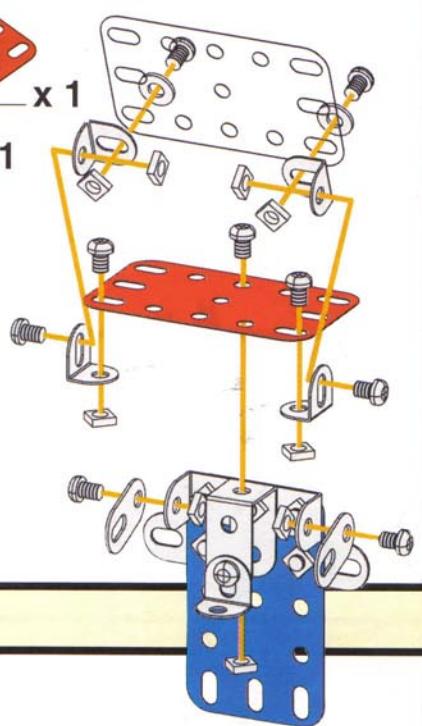
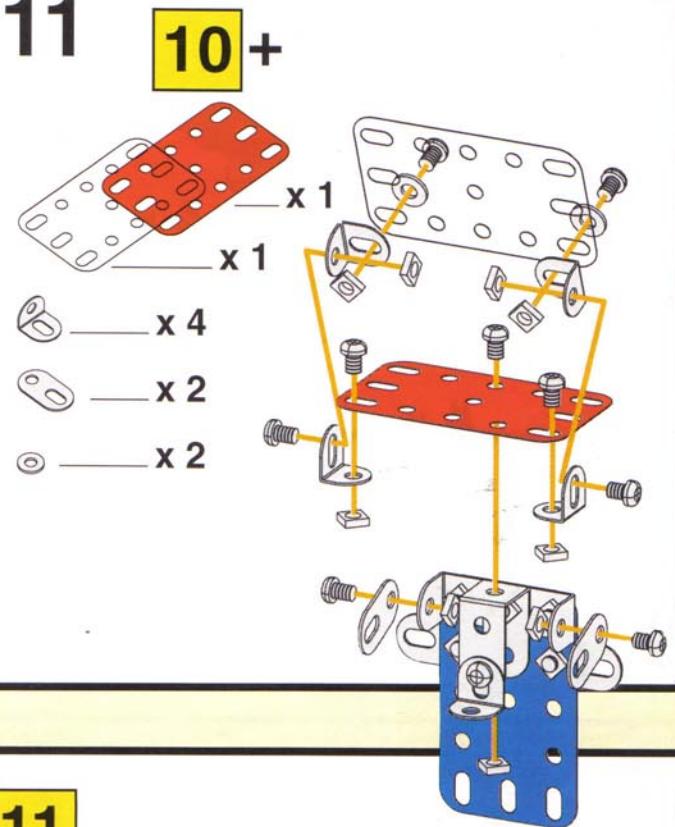
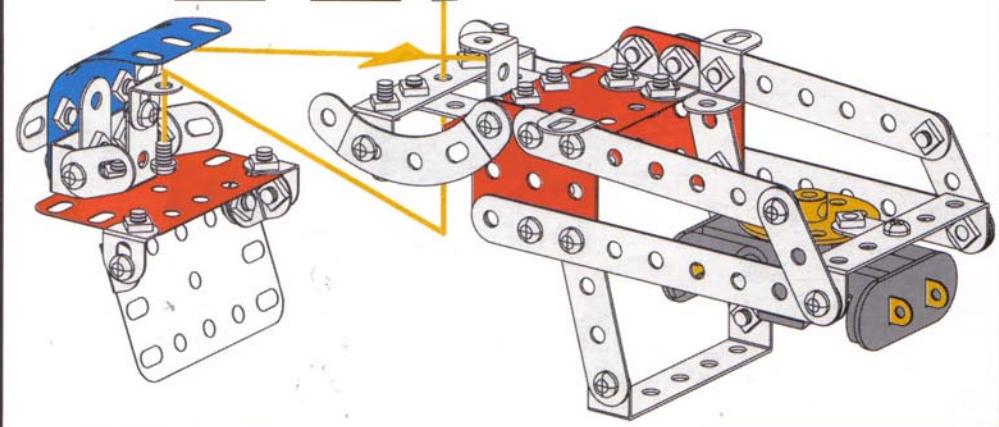
x 1

x 2



1**2****1 +****3****2 +**

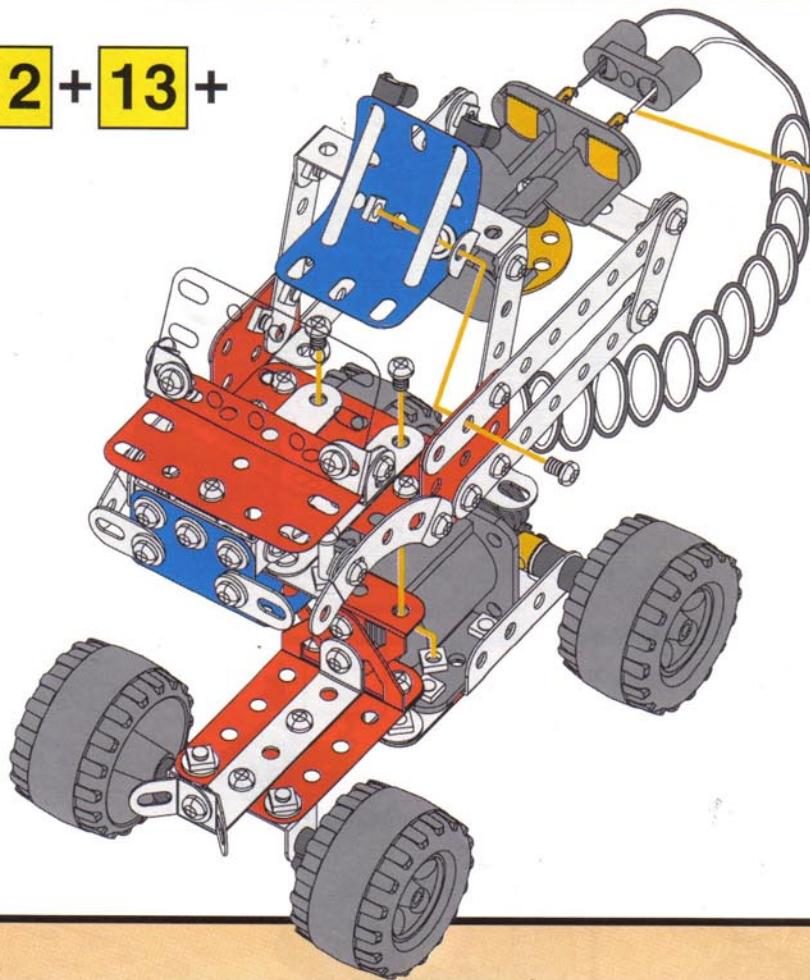
4**3 +****5****6****5 +****7****6 +**

8**9****7 + 8****10****11****10 +****13****9 + 11**

14

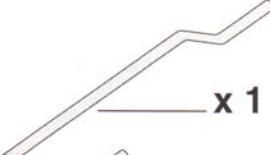
4 + 12 + 13 +

 x 1



15

14 +

 x 1

 x 1
6 cm | 2 1/2 "

 x 1

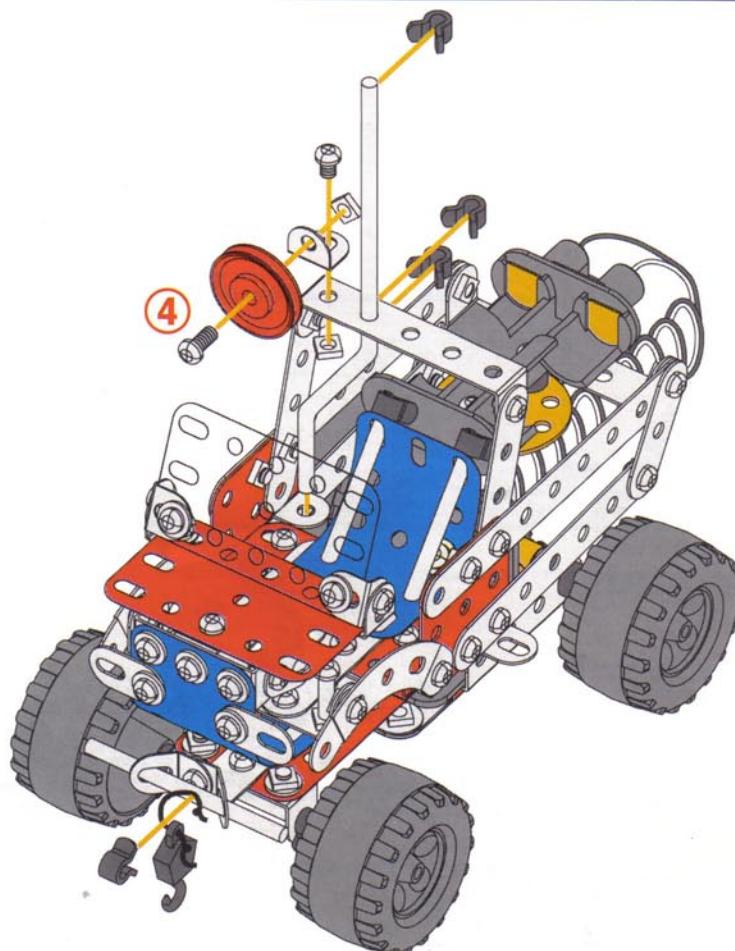
 x 1

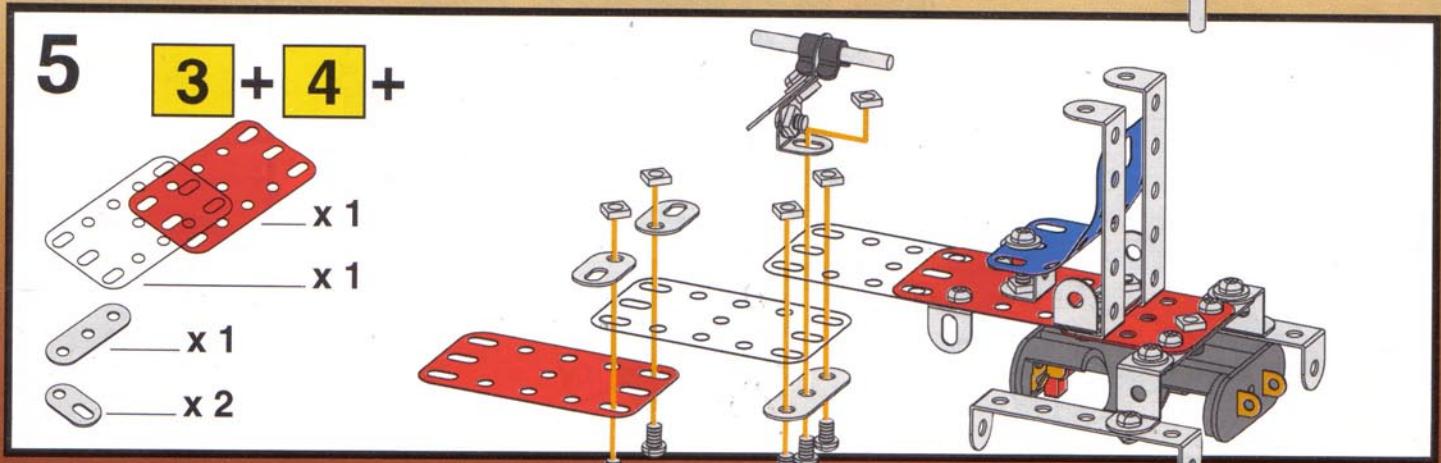
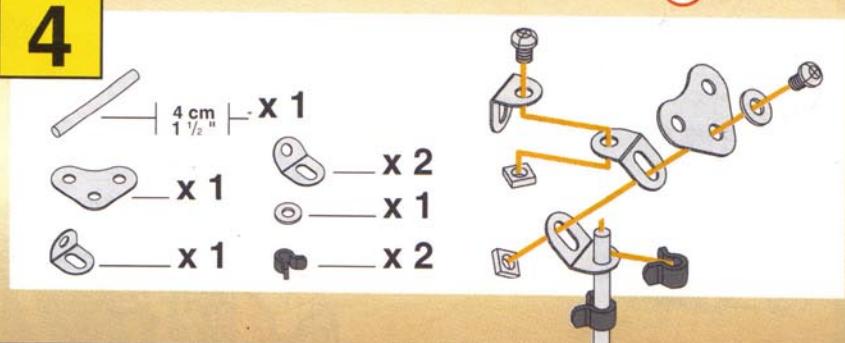
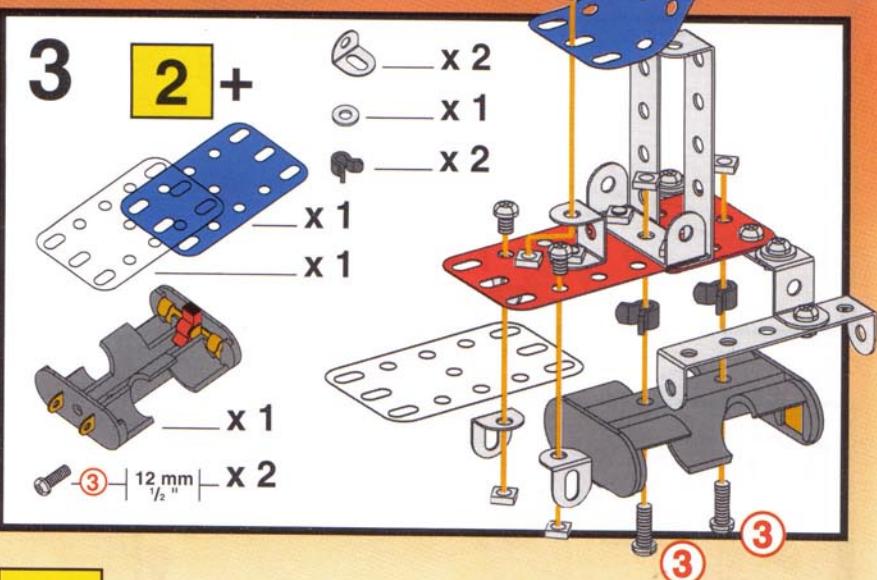
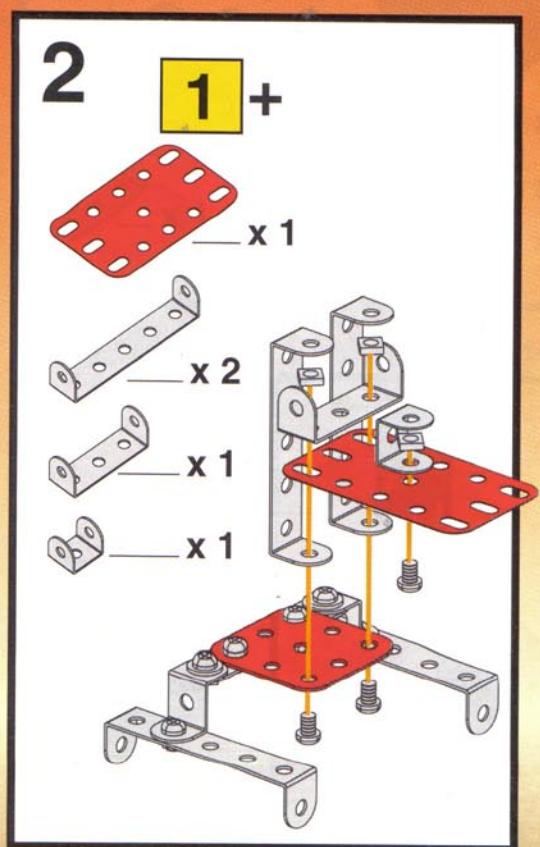
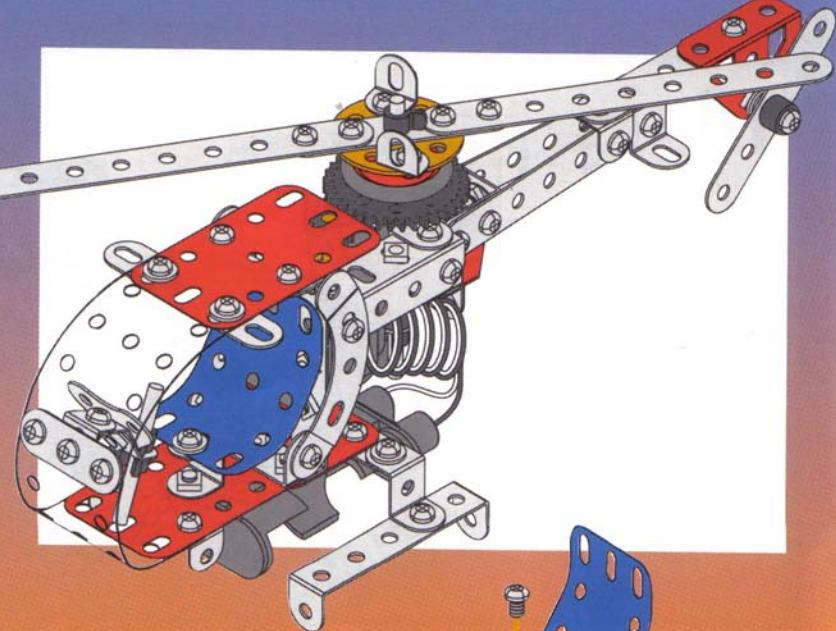
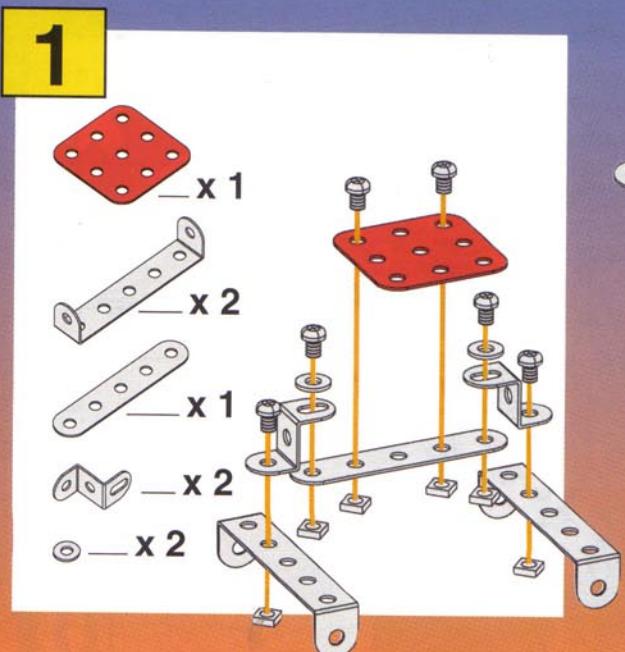
 x 1

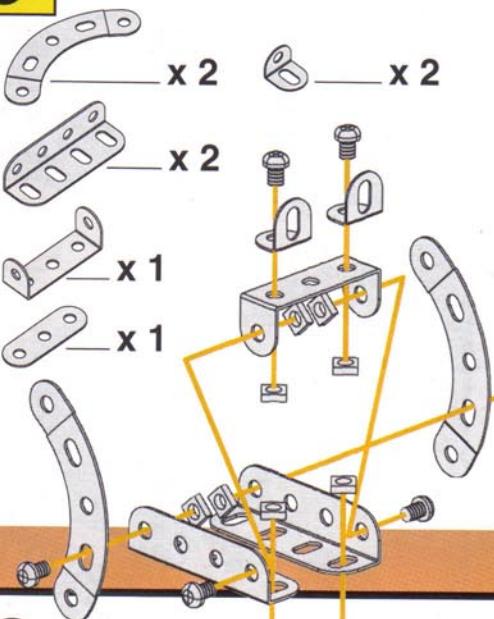
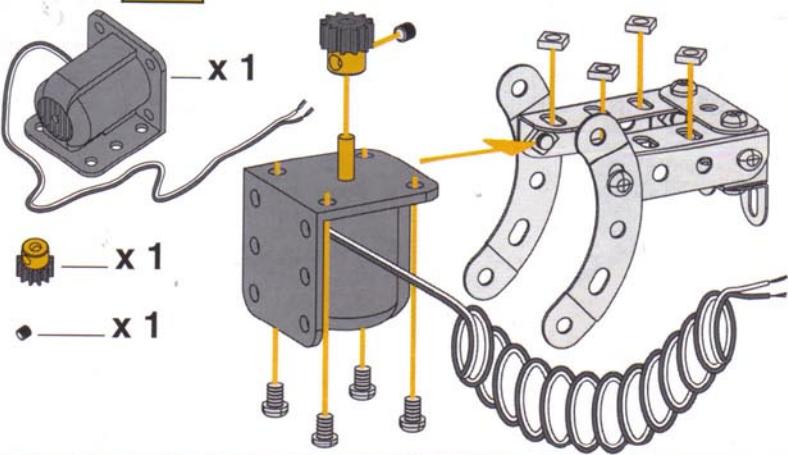
 x 1

 ④ | 9,5 mm | 3/8 " x 1

 x 4





6**7****6 +****1****8****5 + 7 +**

◎ x 2

4

4

3

2

1

2

3

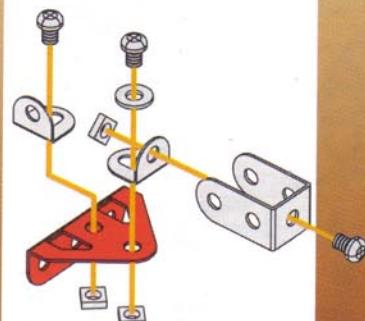
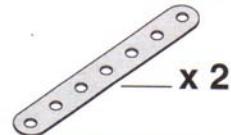
9

x 1

x 1

x 2

◎ x 1

**10****9 +****11**x 1
23 mm
 $\frac{29}{32}$ "

x 2

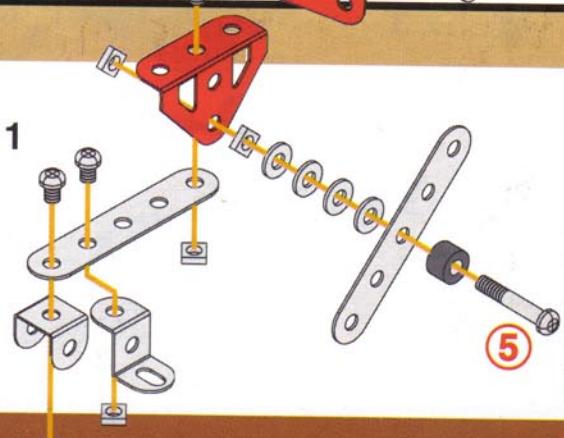
x 1

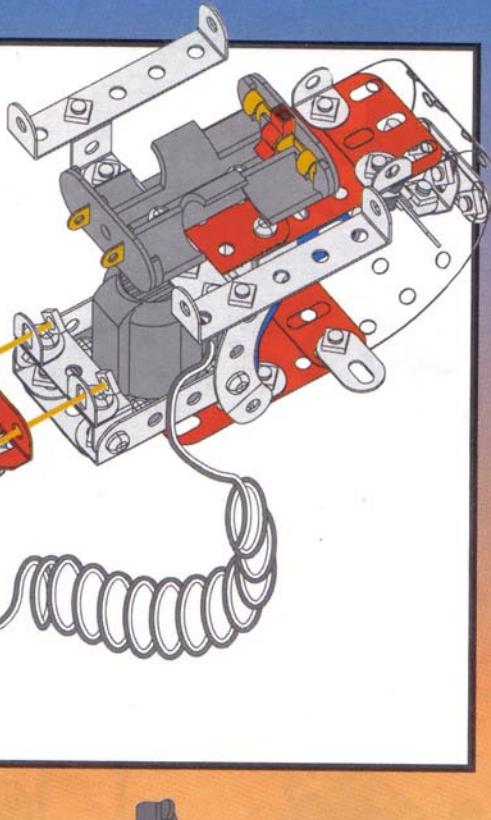
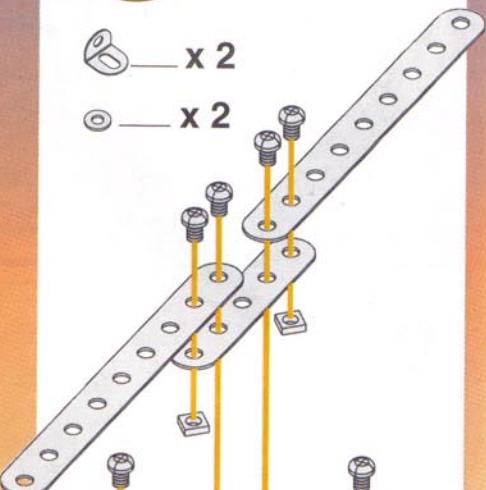
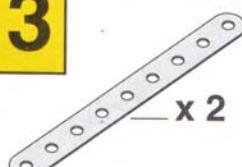
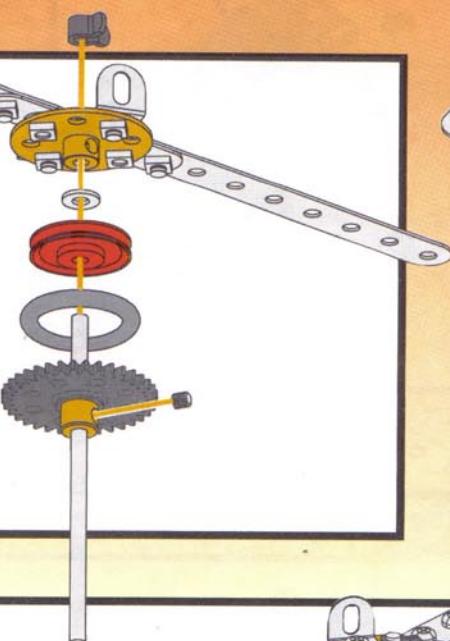
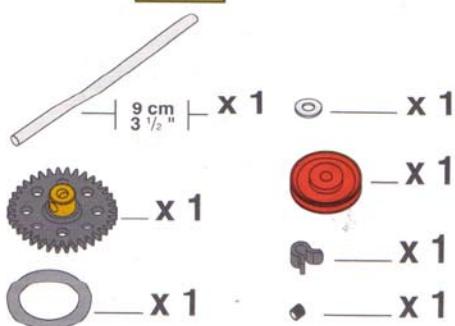
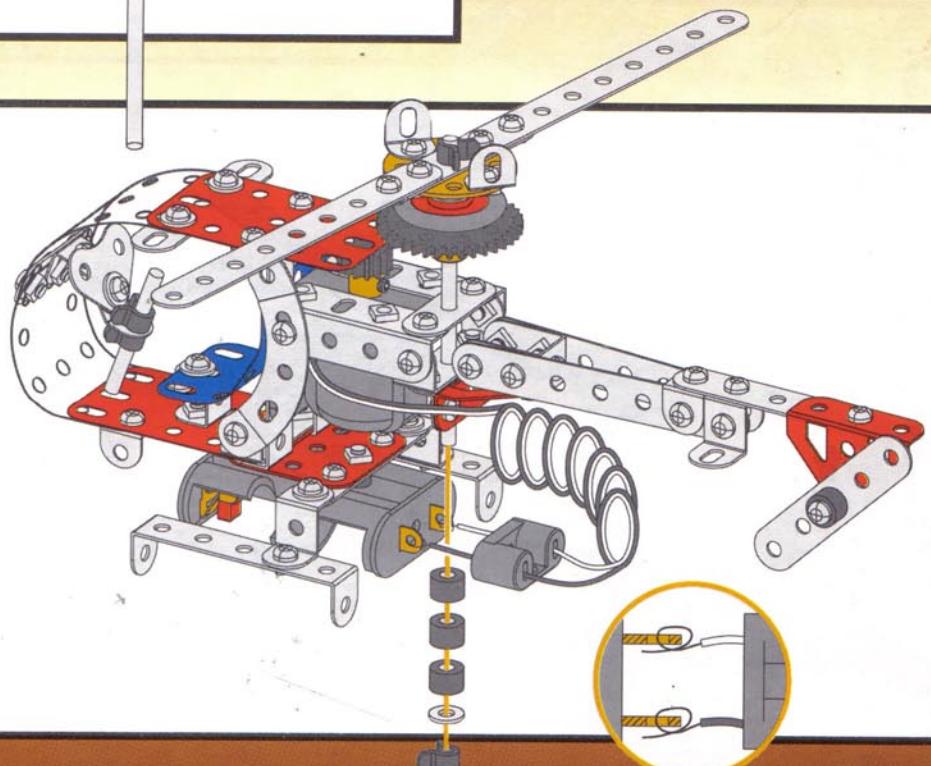
x 1

x 1

x 1

◎ x 4

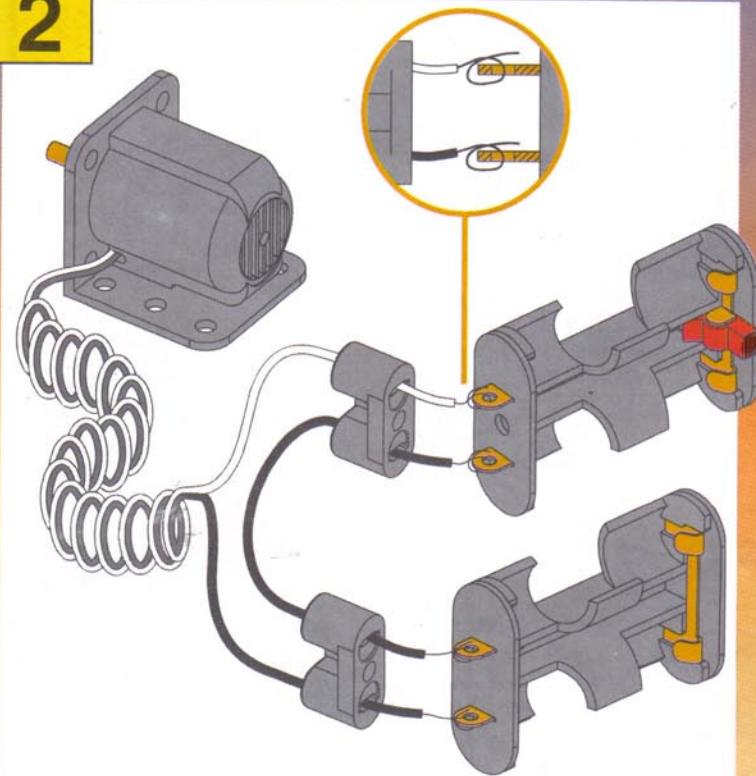


12**8 + 10 + 11****13****14****13 +****15****12 + 14 +**

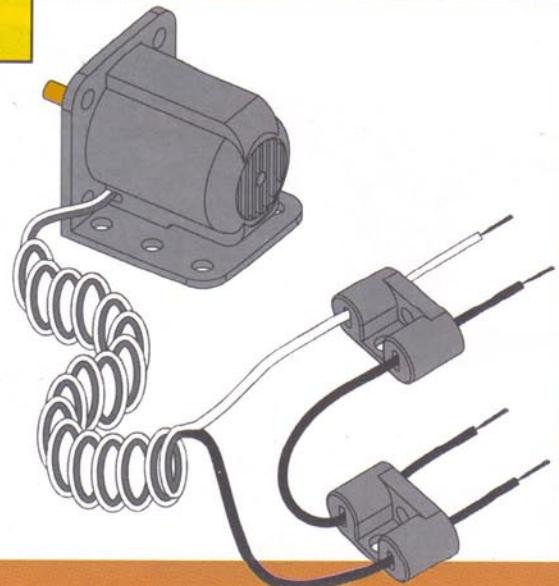
GB Connexion of the electric motor.
D Motorisierung anleitung.
I Montaggio dell'insieme
motorizzazione.
S Anslutning av elmotor.
SF Mootorin kytkentä.
DK Samling af motordel.

F Montage de l'ensemble motorisation.
E Montaje de la junta de motorización.
NL Montage van de gemotoriseerde set.
P Montagen das ligacões de motor
electrico.
GR Συναρμολόγηση των κινητήρα
JPN モーターの組付け

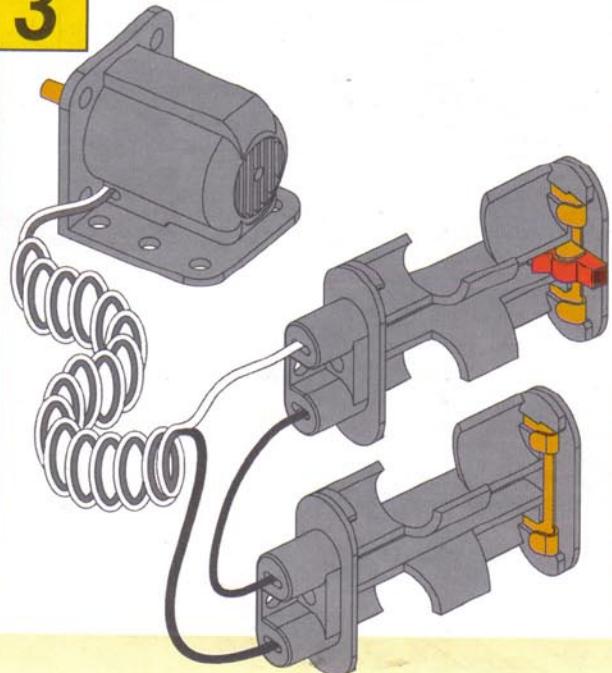
2



1

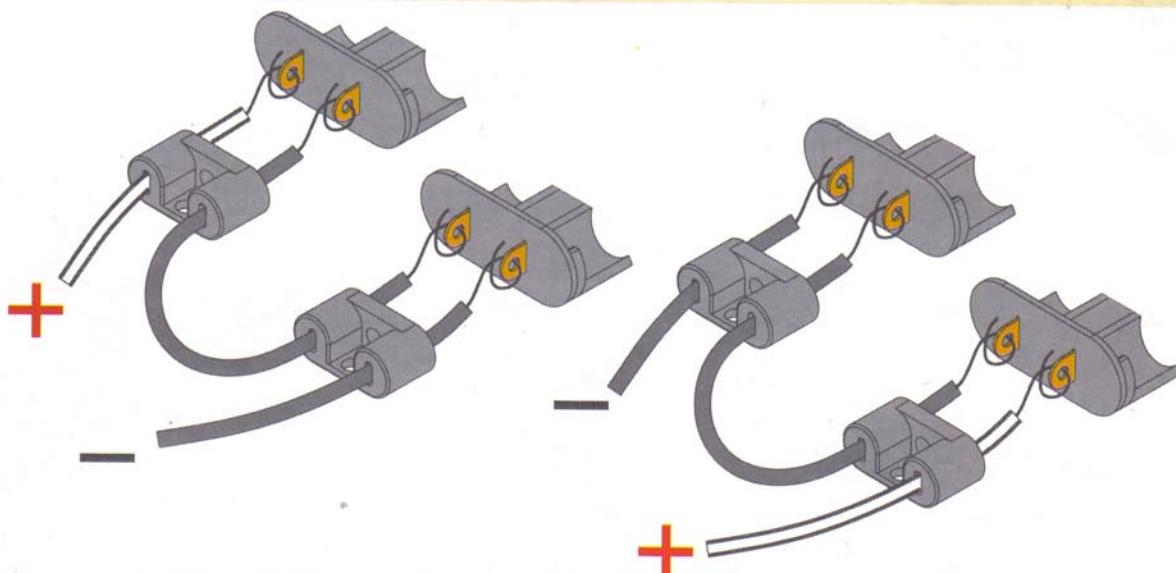


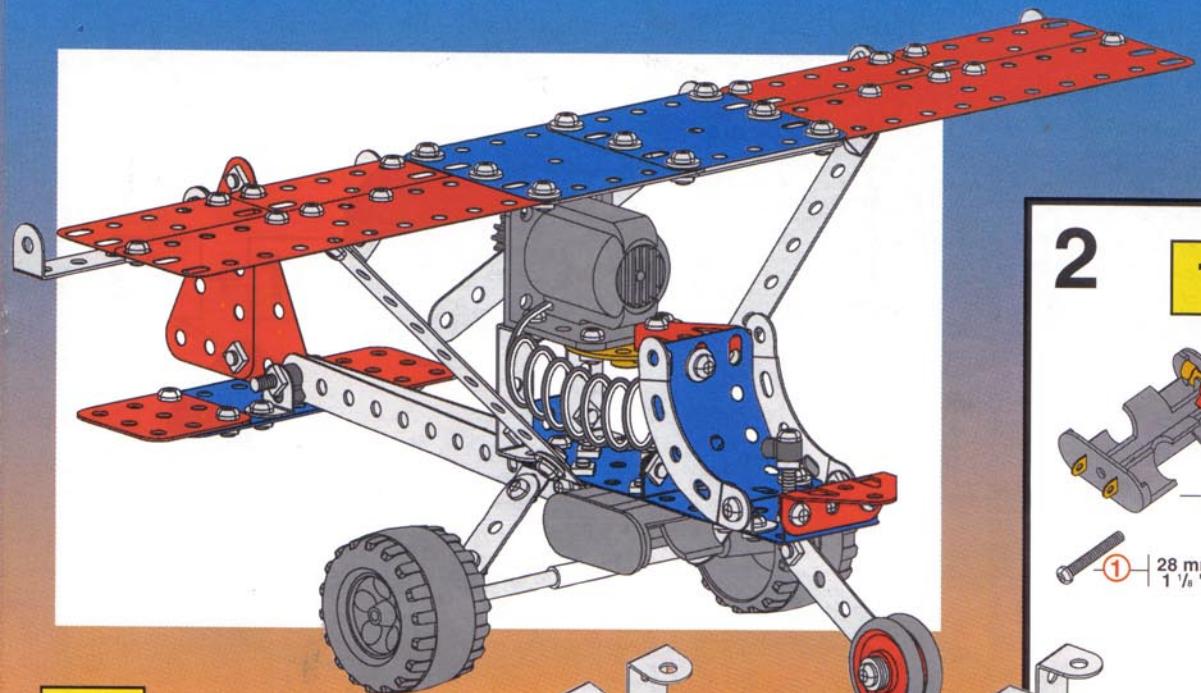
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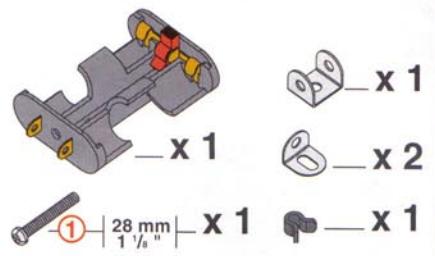
GB Inversion of motor direction.
D Laufrichtungs - Umschalter.
I Inversione del senso di
rotazione del motorino.
S Förländring av rörelseriktning.
SF Mootorin pyörimissuunnan
muuttaminen.
DK Omvending af motorens
omdrejningsretning.

F Inversion du sens de rotation
du moteur.
E Inversión del sentido de rotación
del motor.
NL Omschakeling van de
draairichting van de motor.
P Inversão do sentido de rotação
do motor.
GR Αναστροφή της φοράς
περιστροφής του κινητήρα
JPN モーター反転

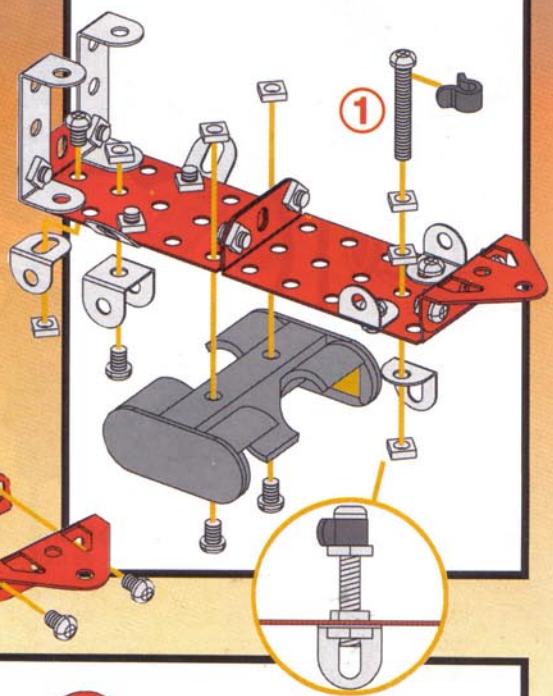
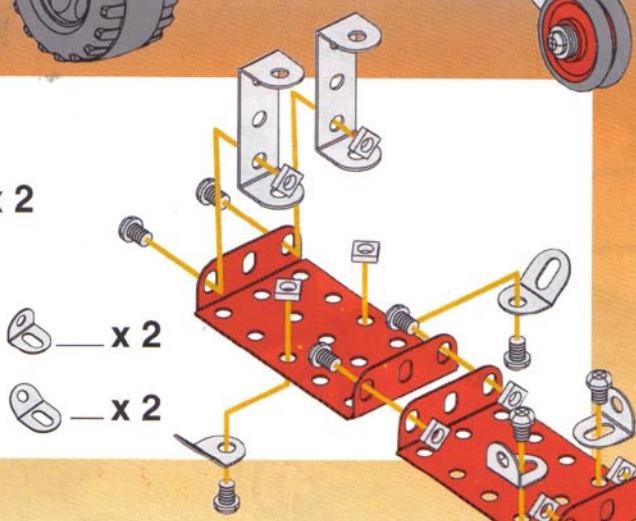
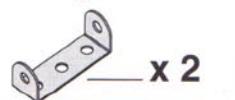
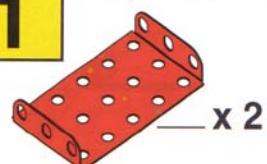




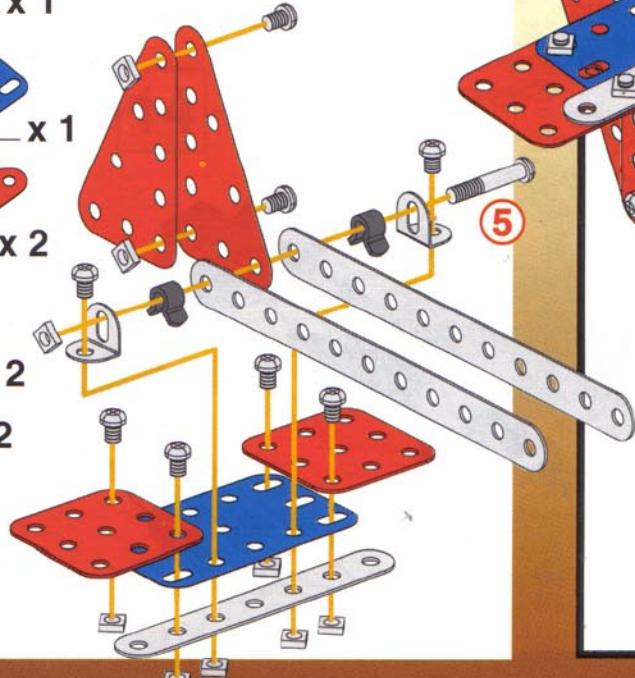
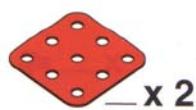
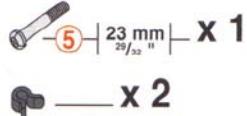
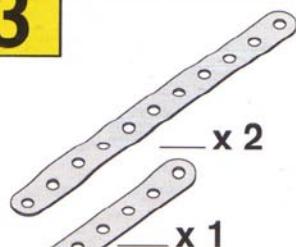
2 **1 +**



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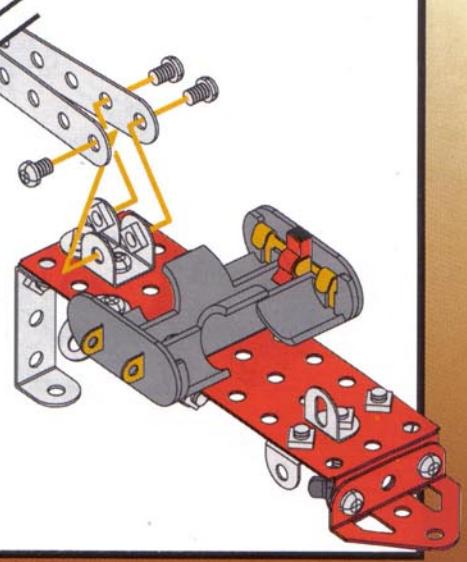


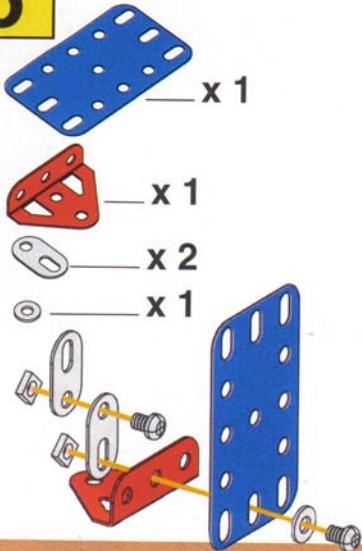
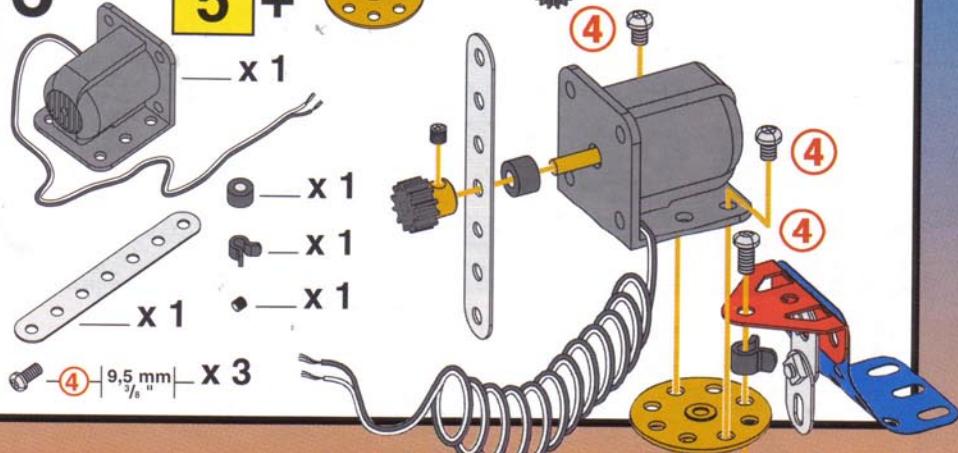
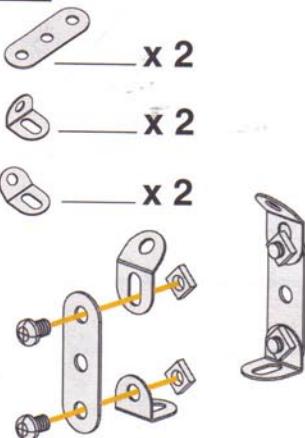
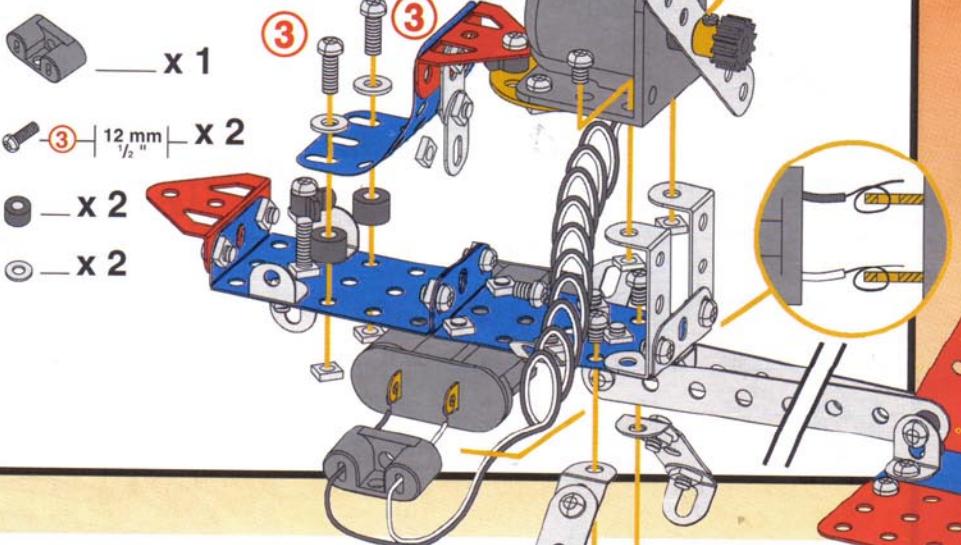
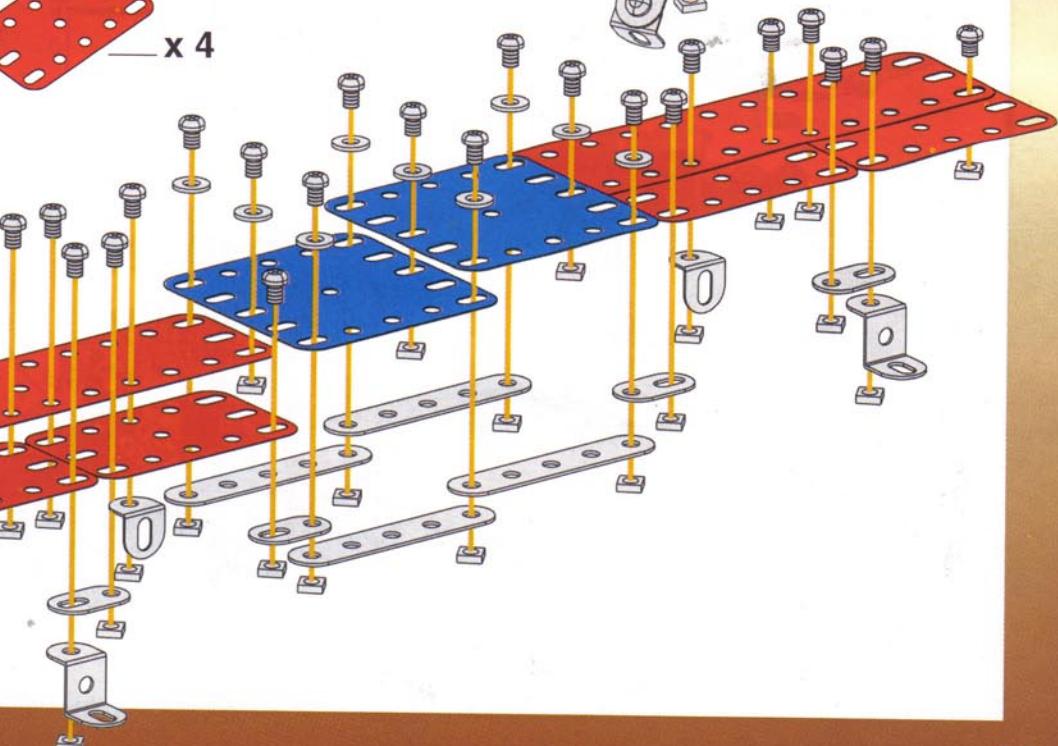
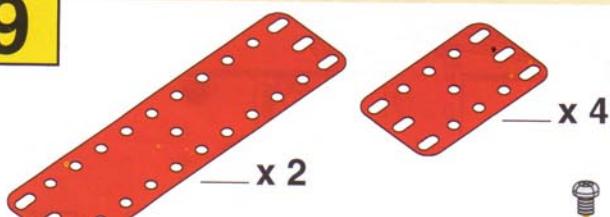
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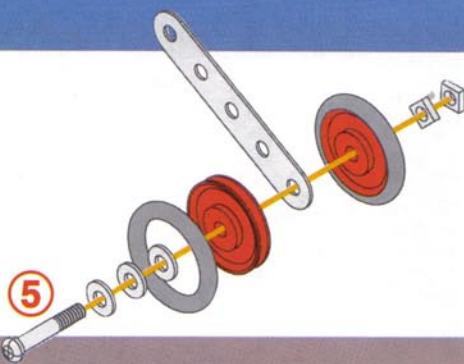
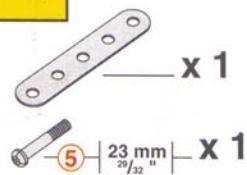
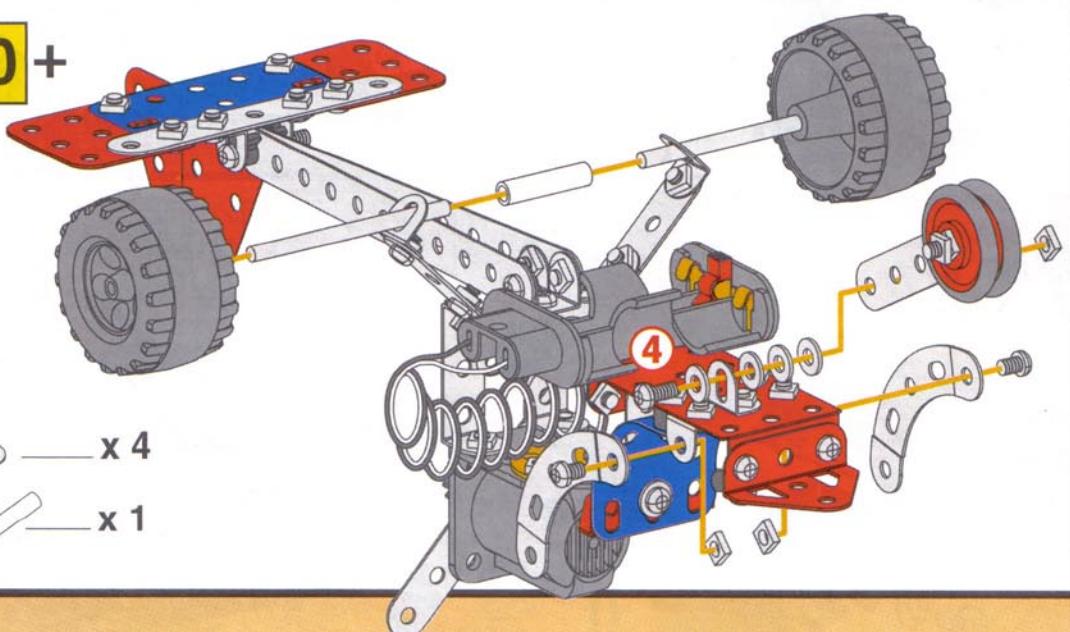
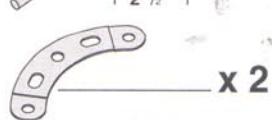
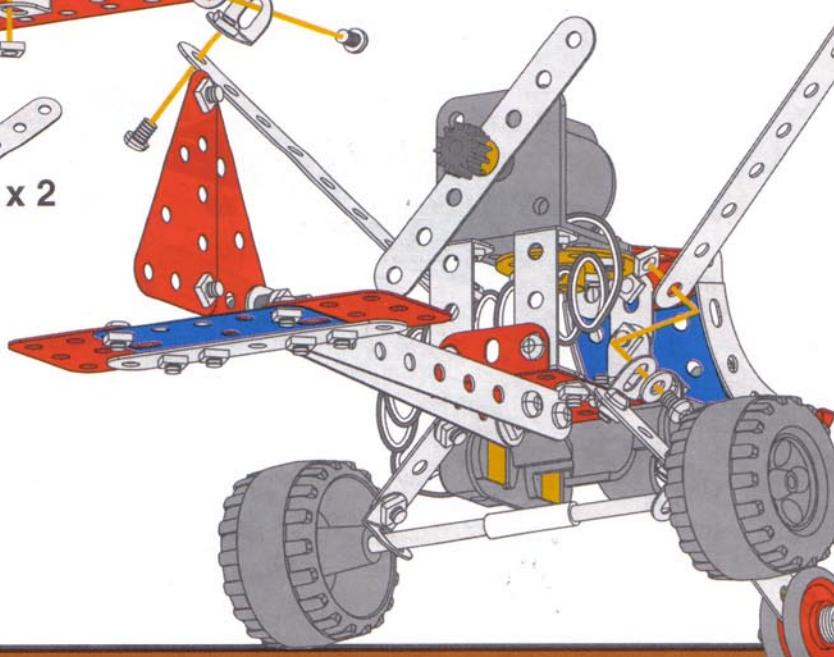
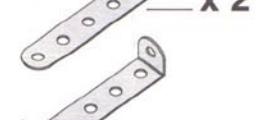
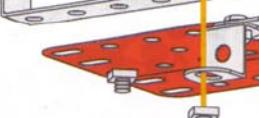


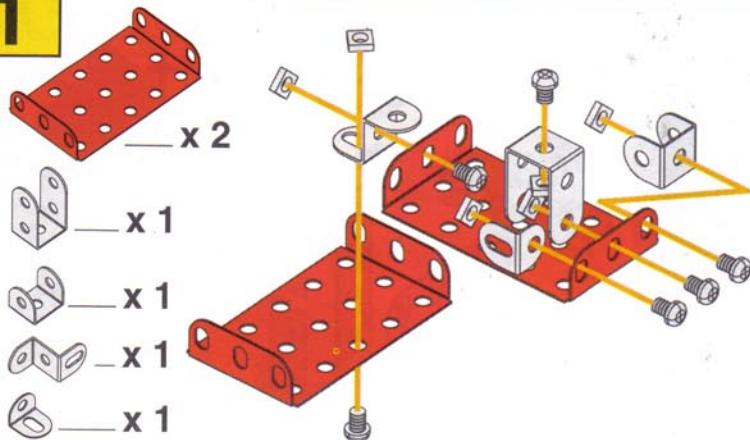
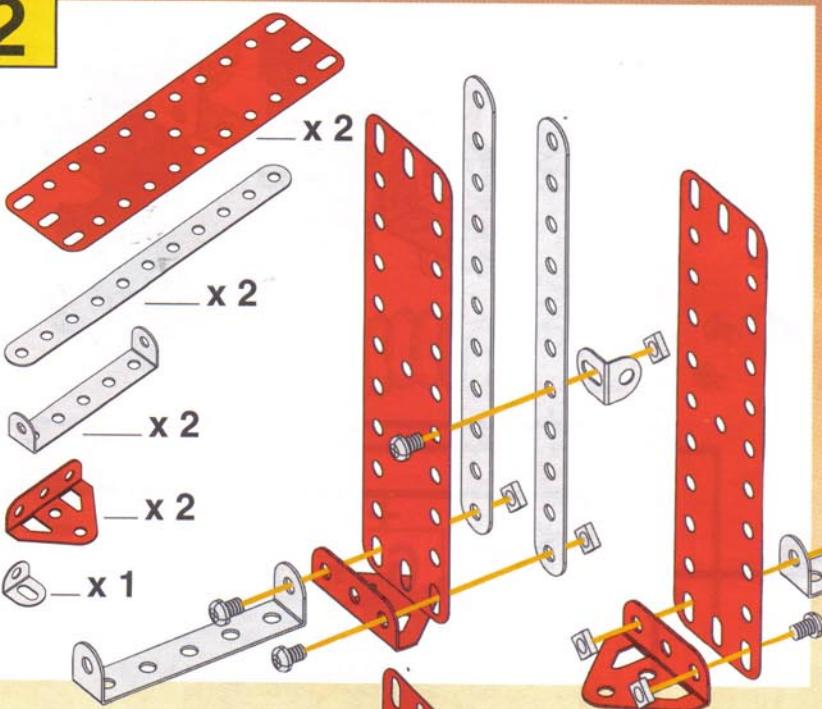
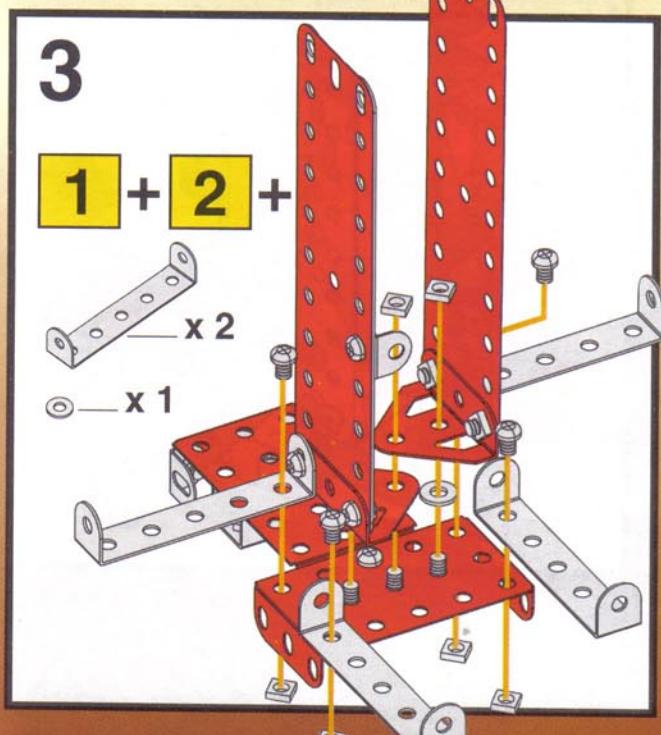
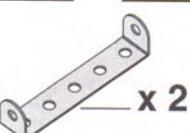
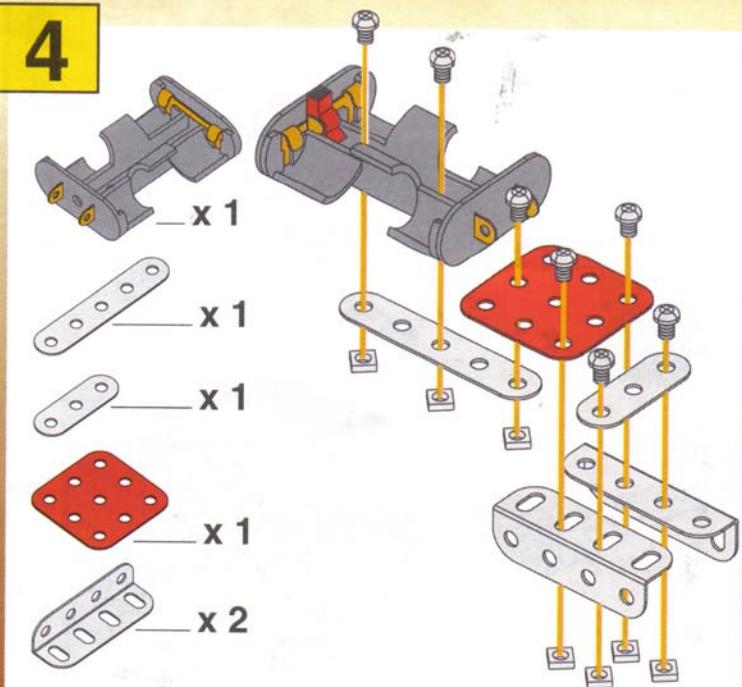
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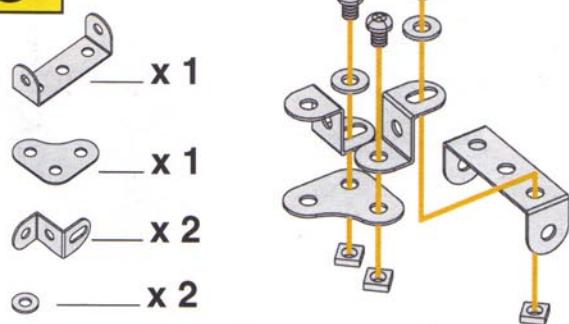
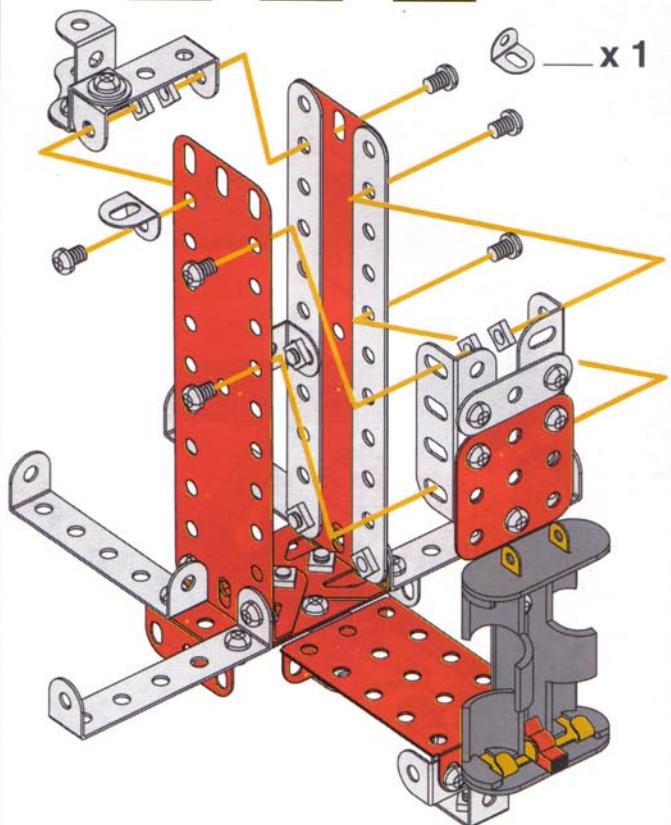
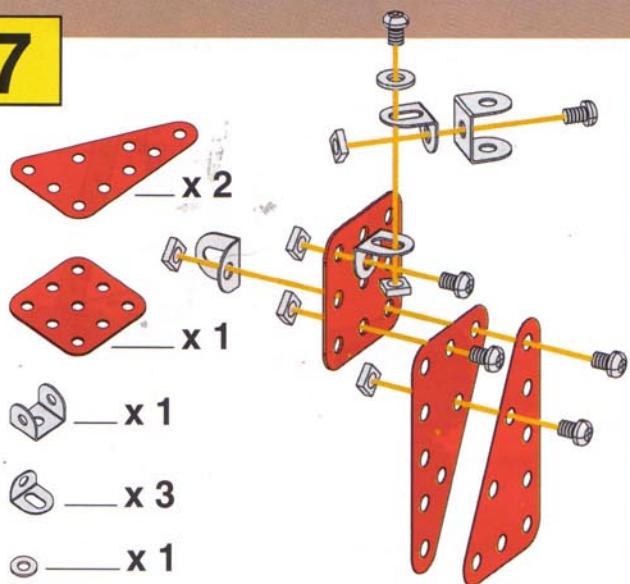
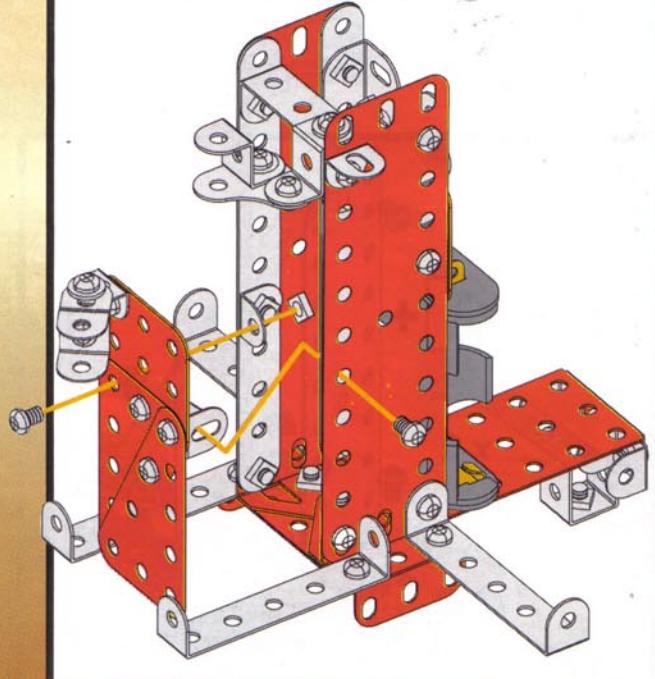
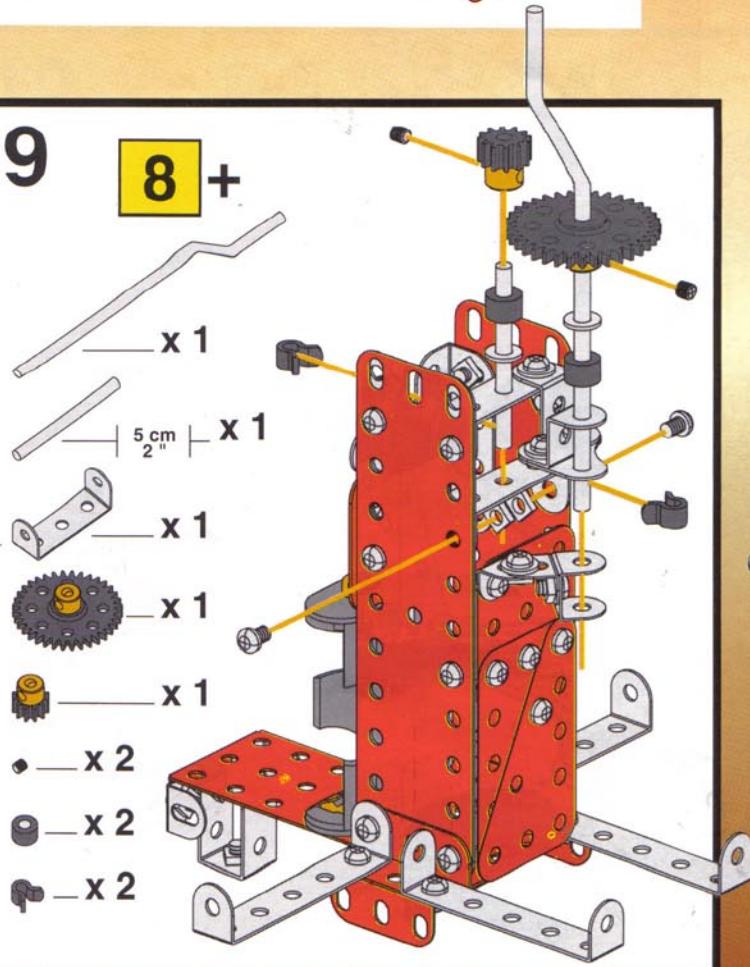
2 + 3

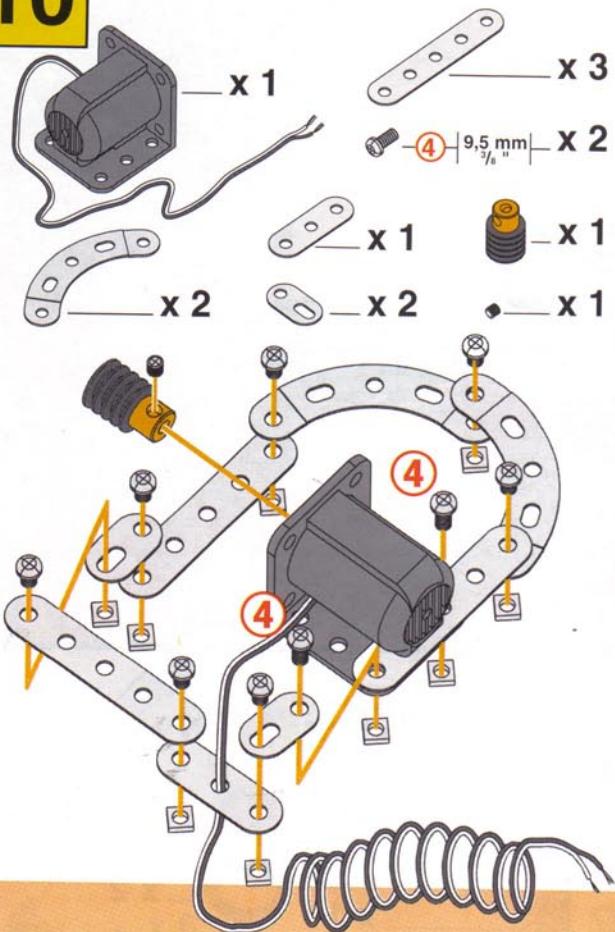
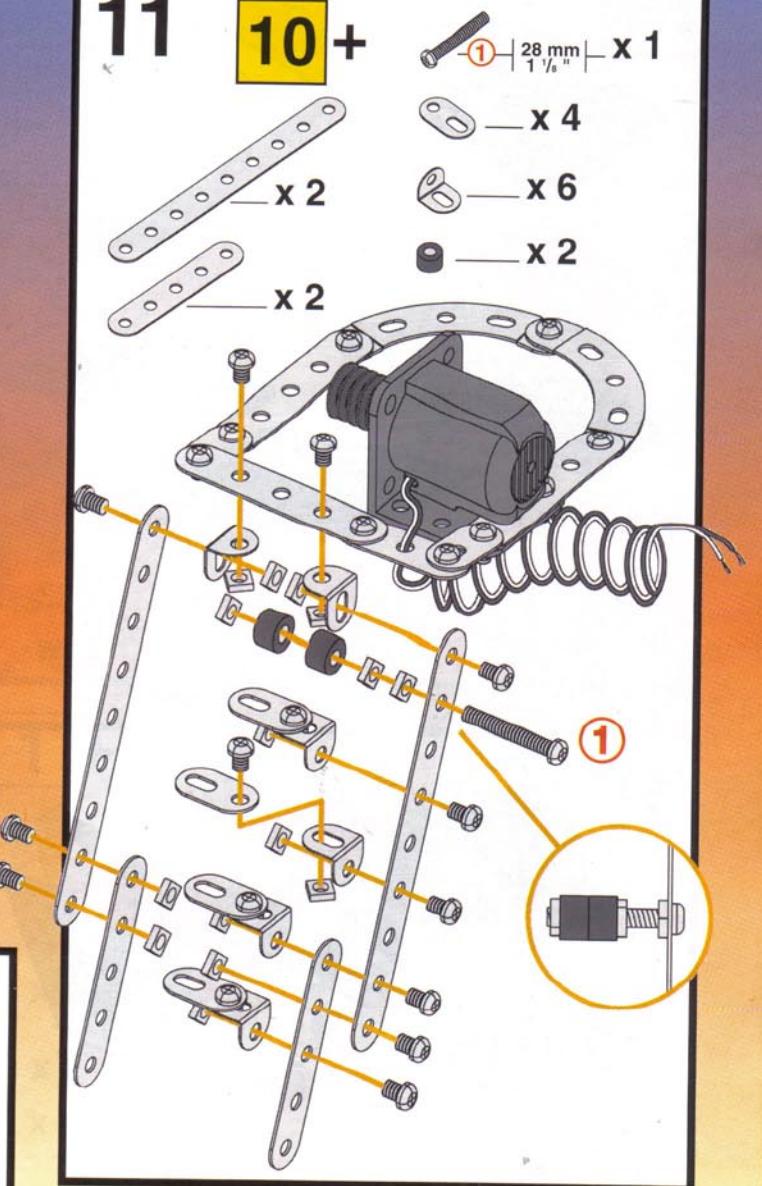
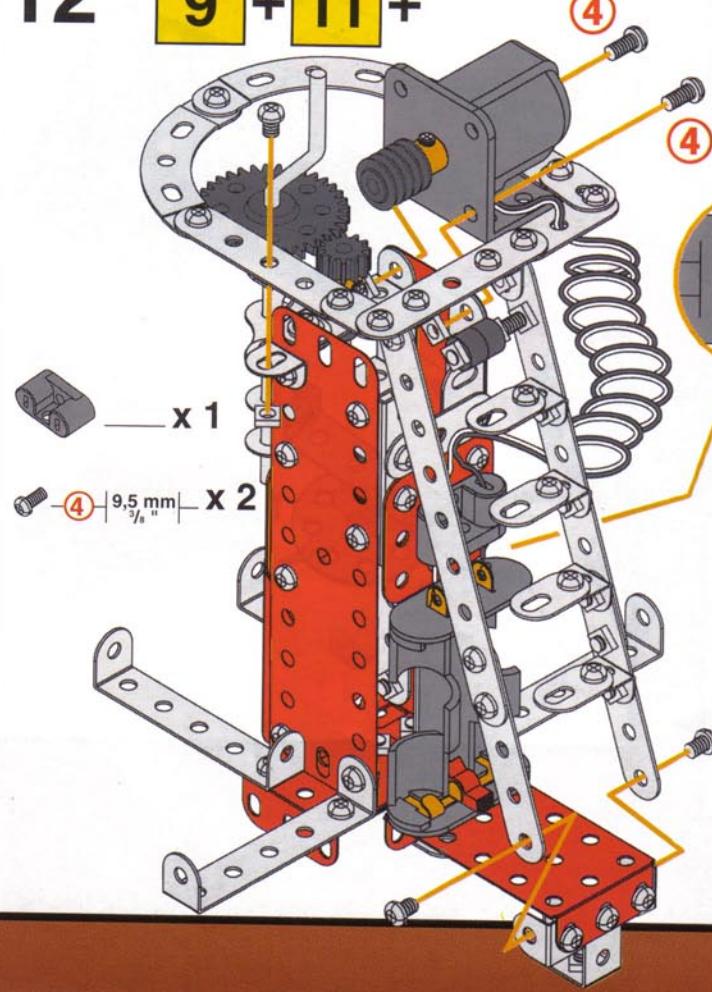
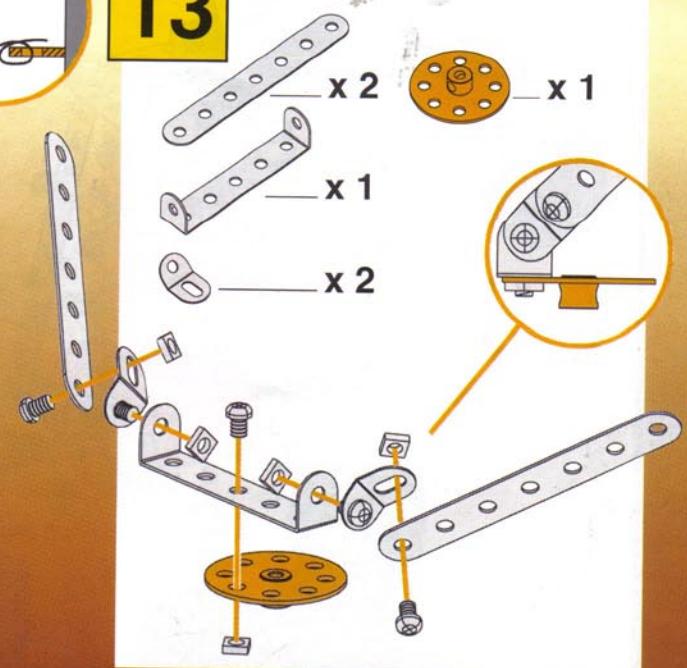


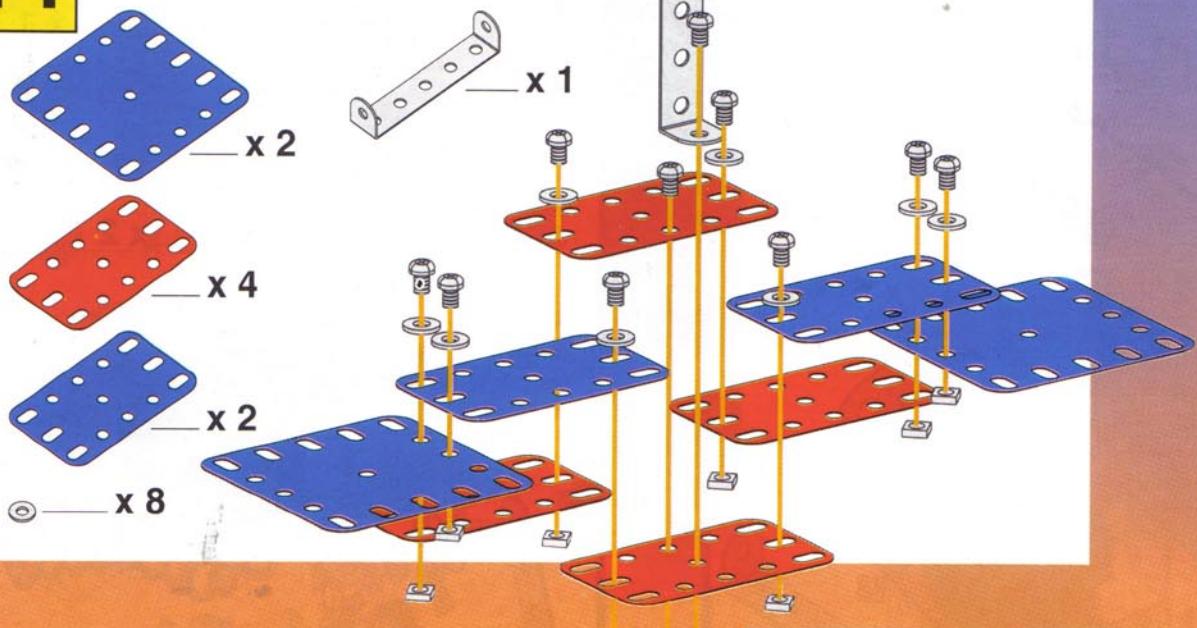
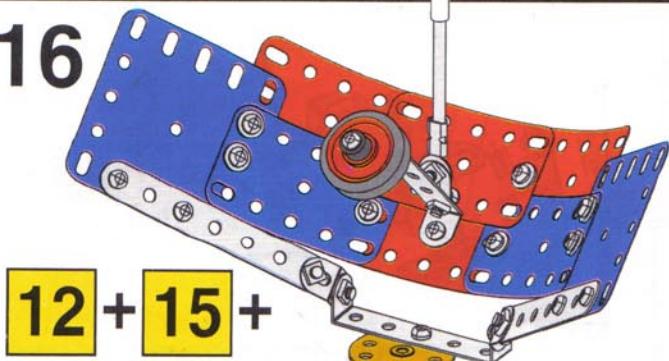
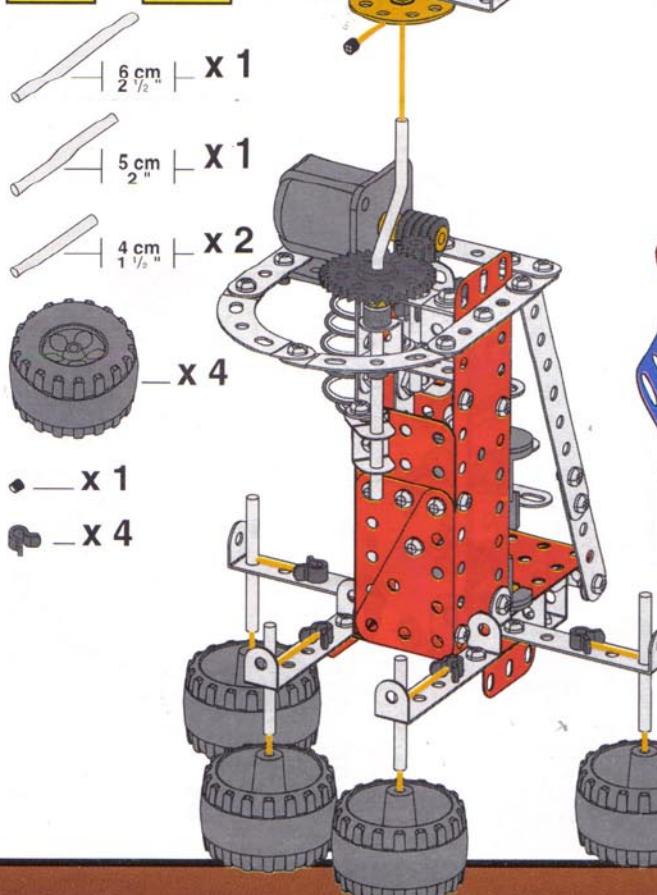
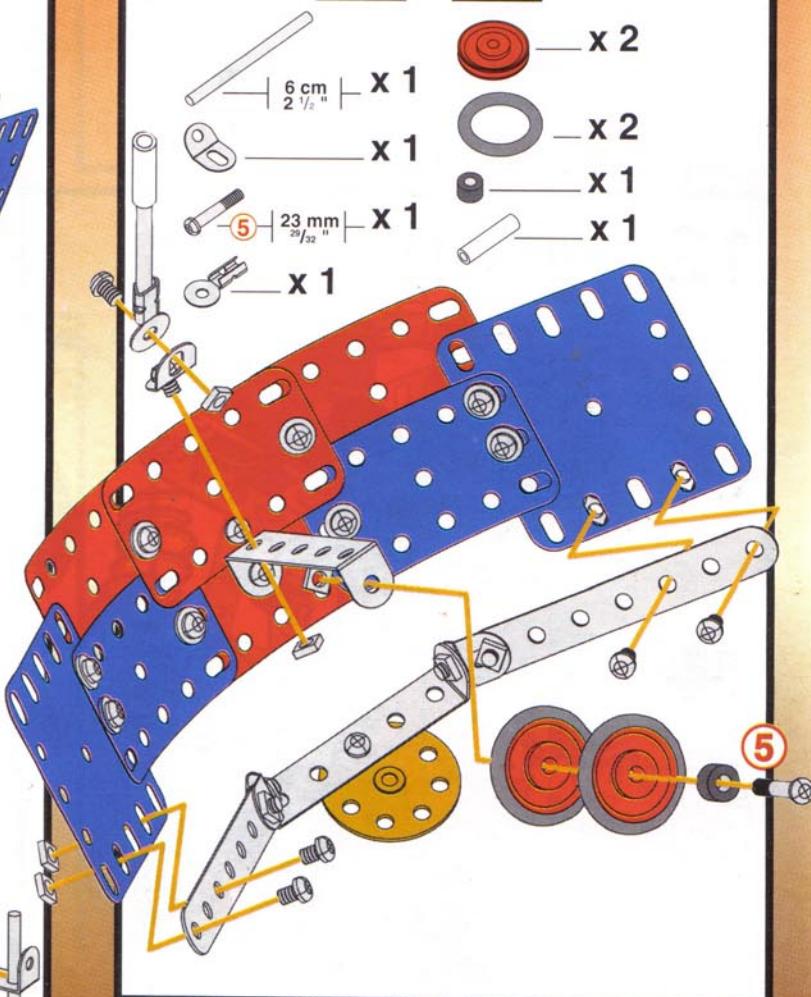
5
6 5 + x 1 x 1
**7**
8 4 + 6 + 7 +
**9**

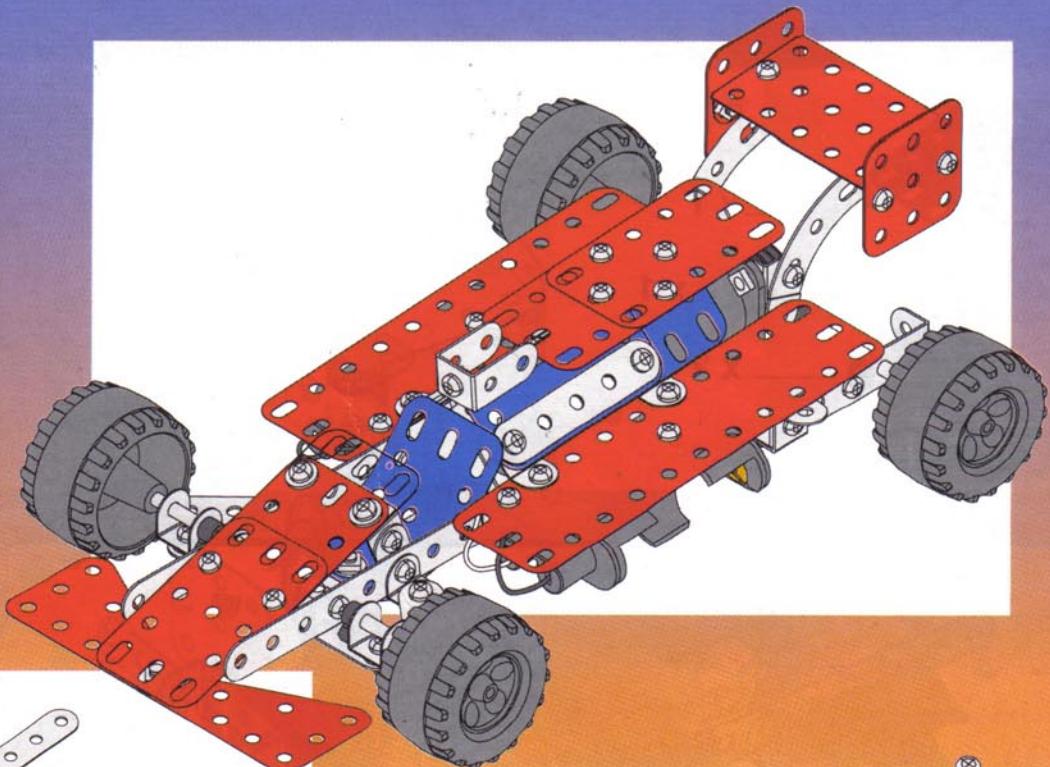
10**11****8 + 10 +****12****9 + 11 +**

1**2****3****1 +****2 +****4**

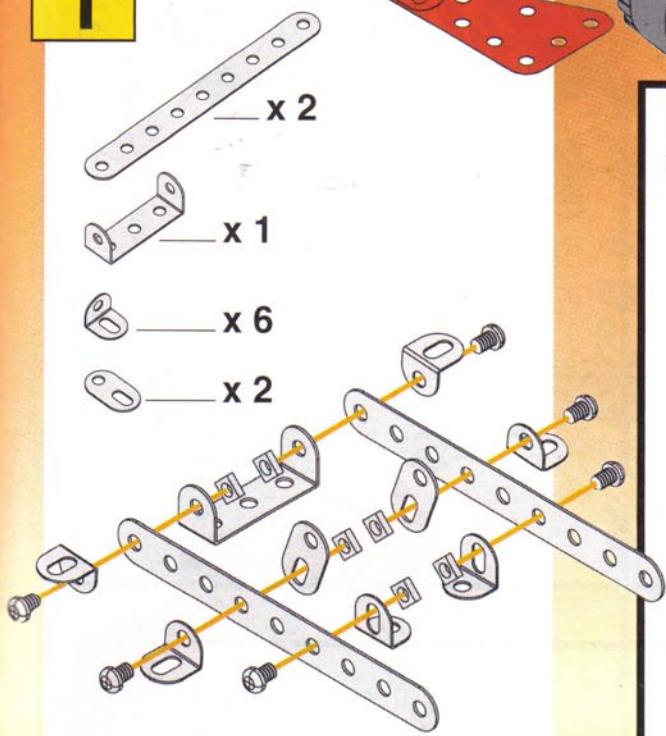
5**6****3 + 4 + 5 +****7****8****6 + 7****9****8 +**

10**11****10 +****12****9 + 11 +****13**

14**16****12 + 15 +****15****13 + 14 +**

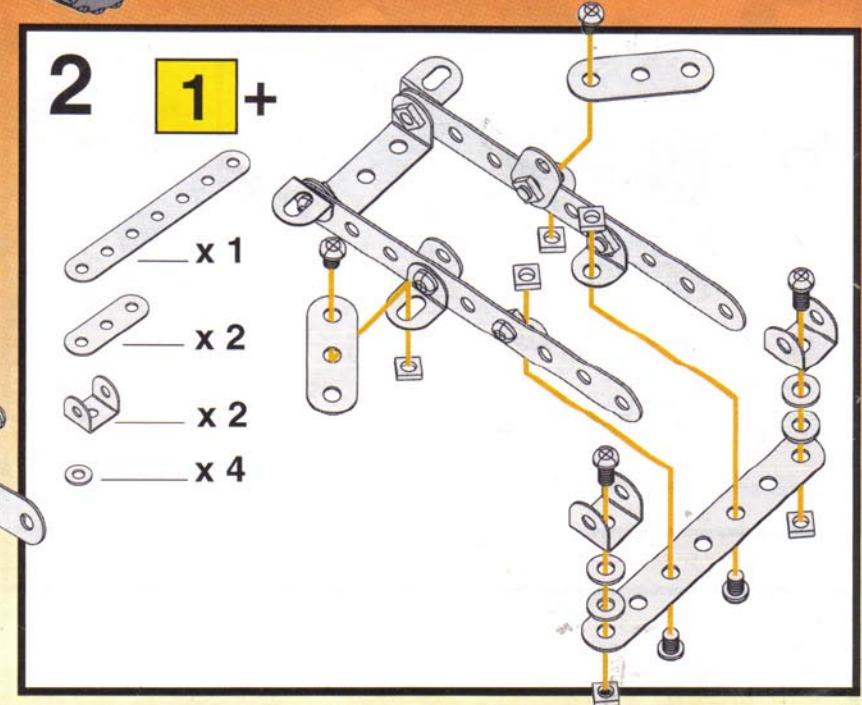


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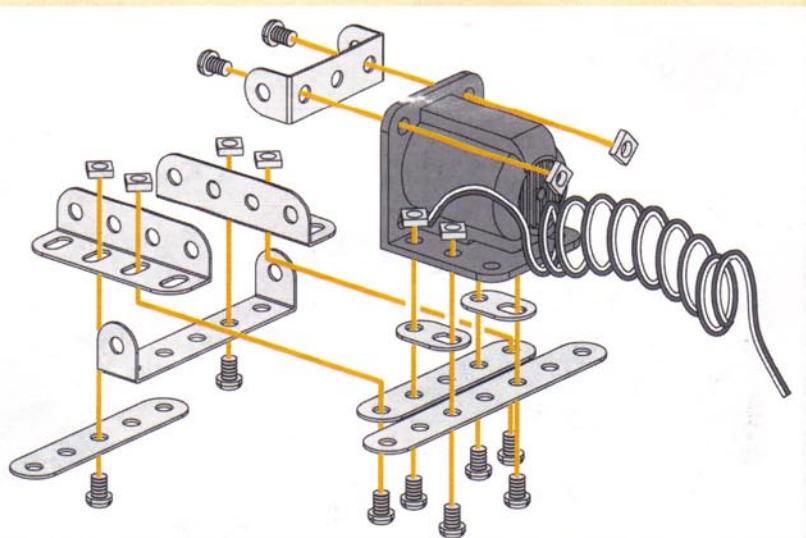
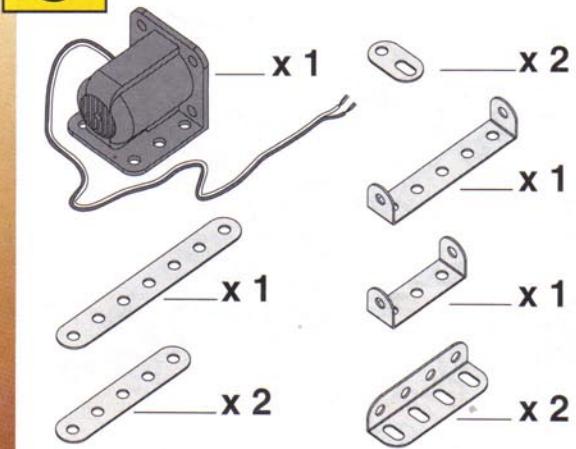


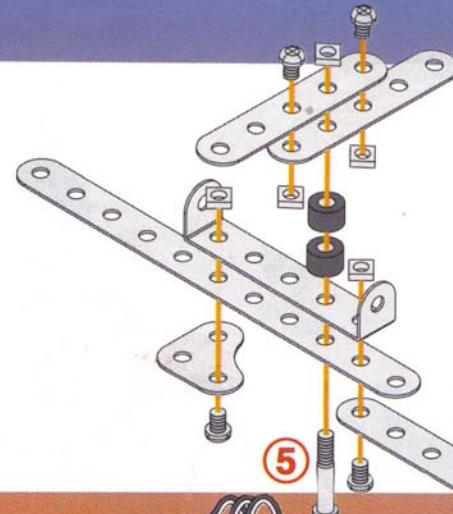
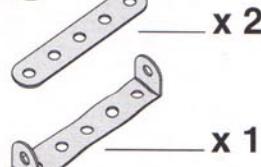
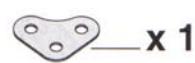
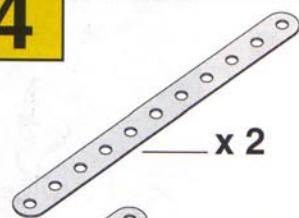
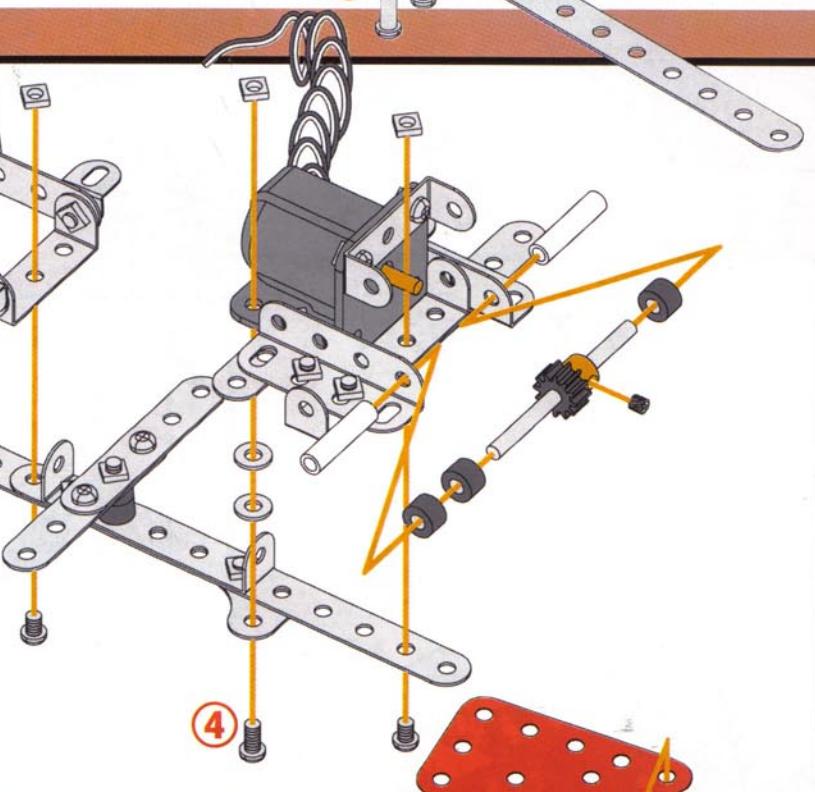
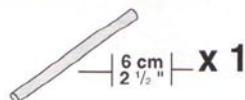
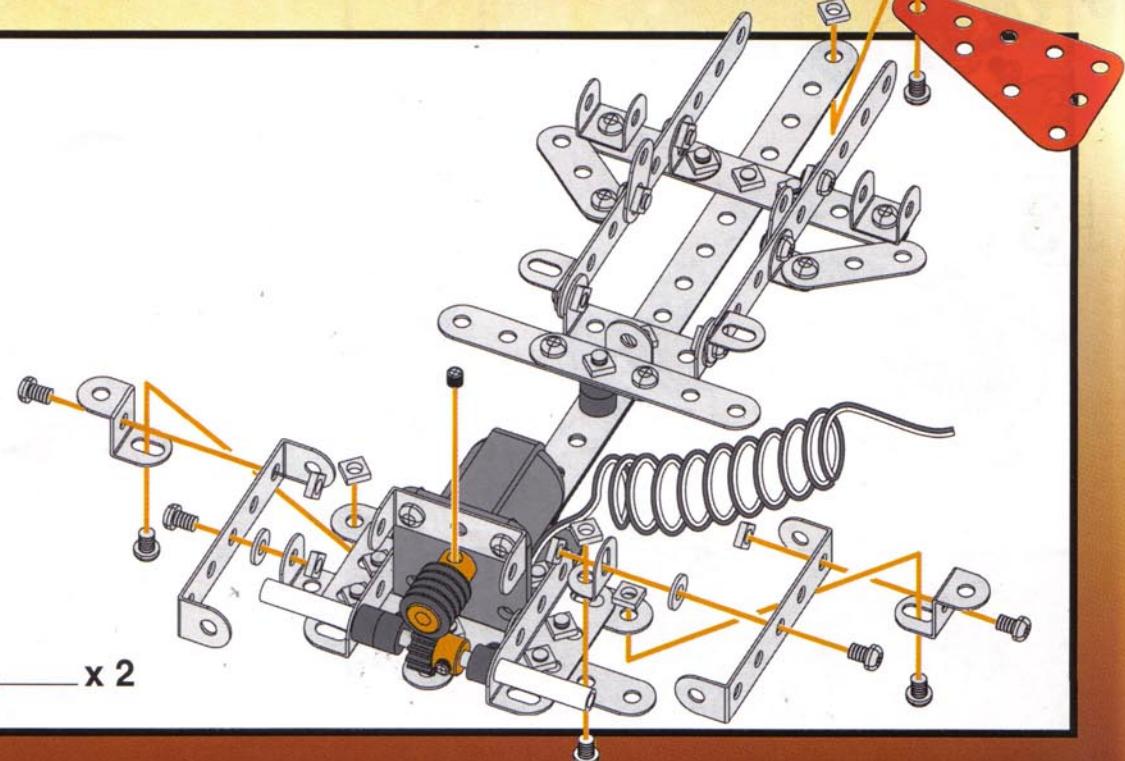
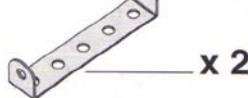
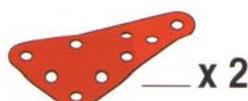
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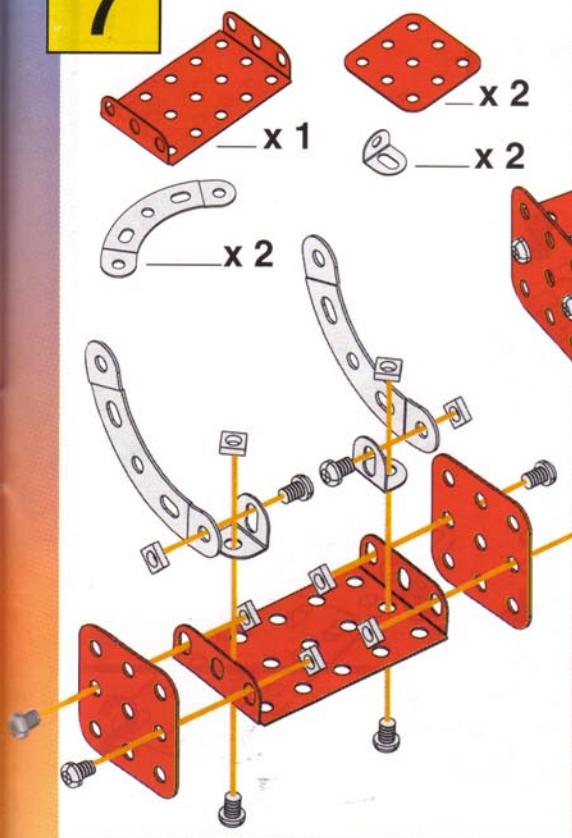
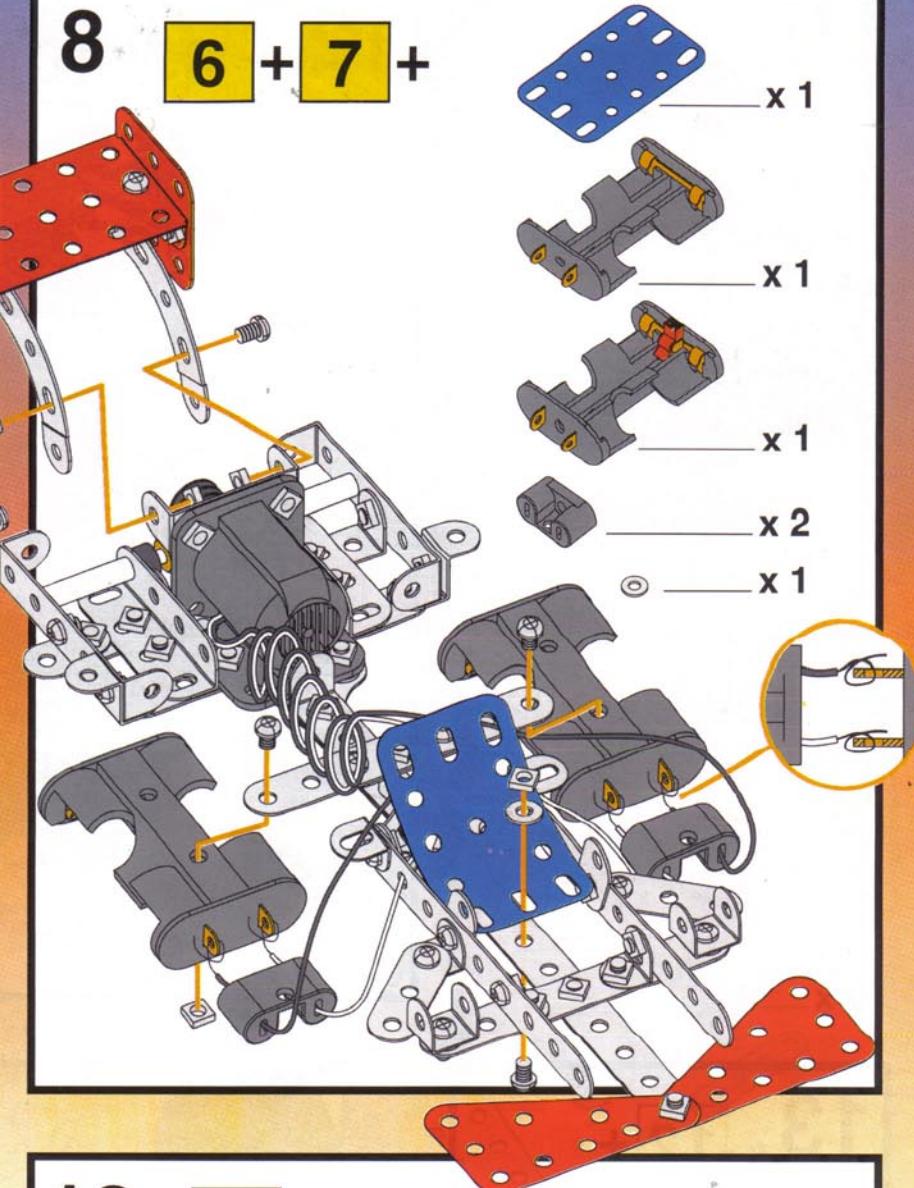
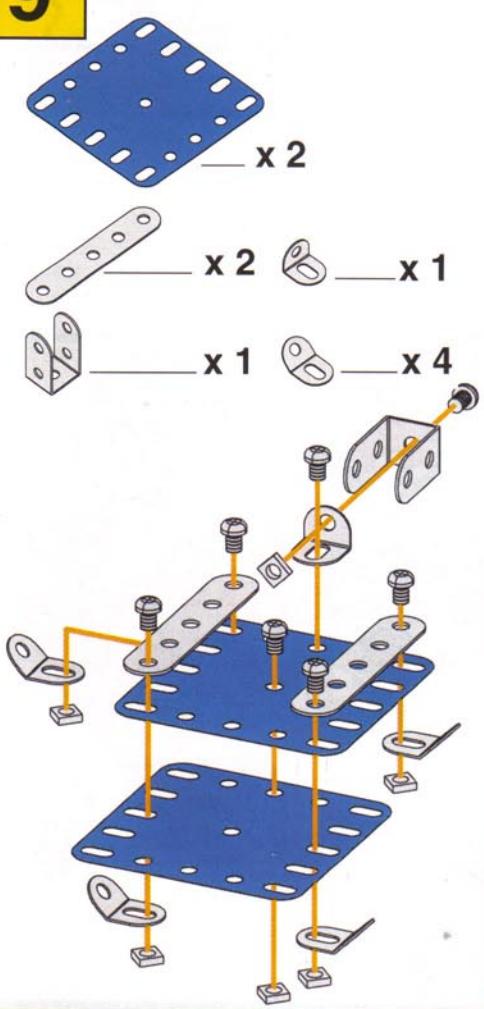
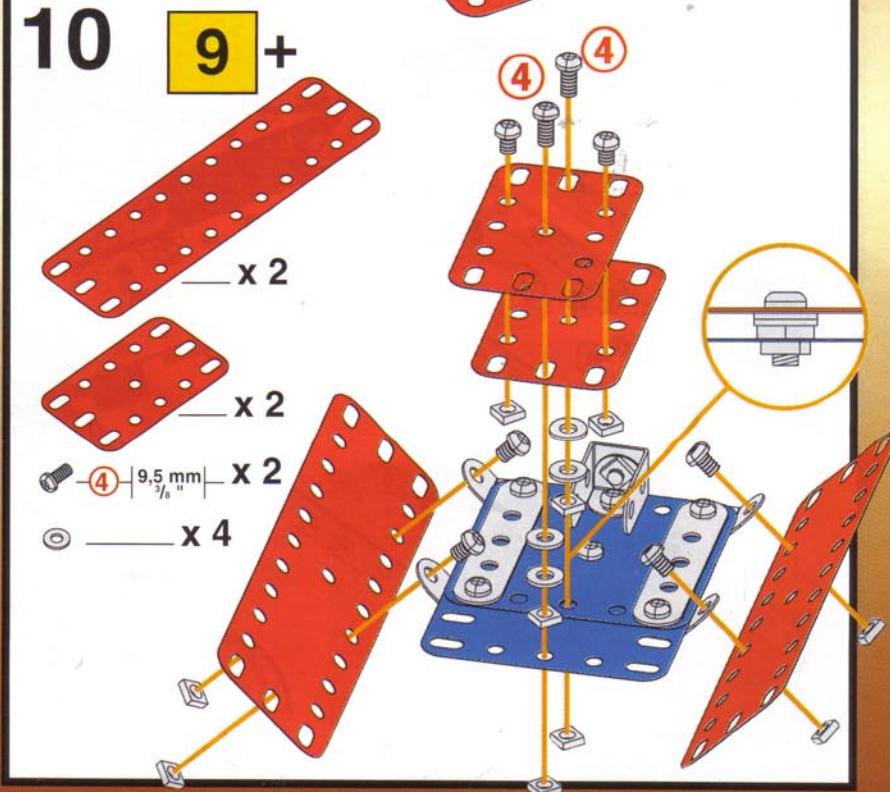
1 +

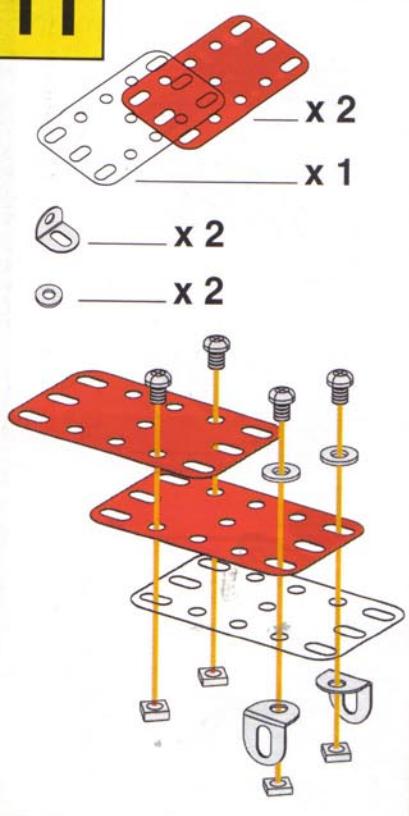
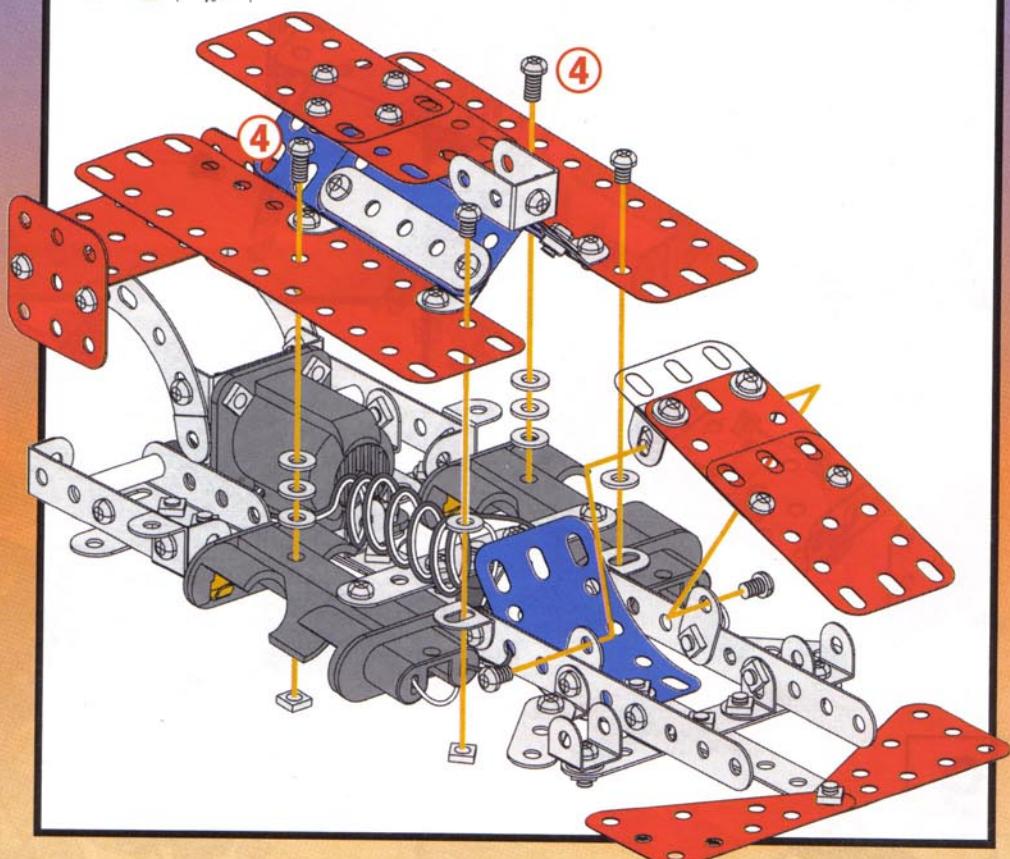


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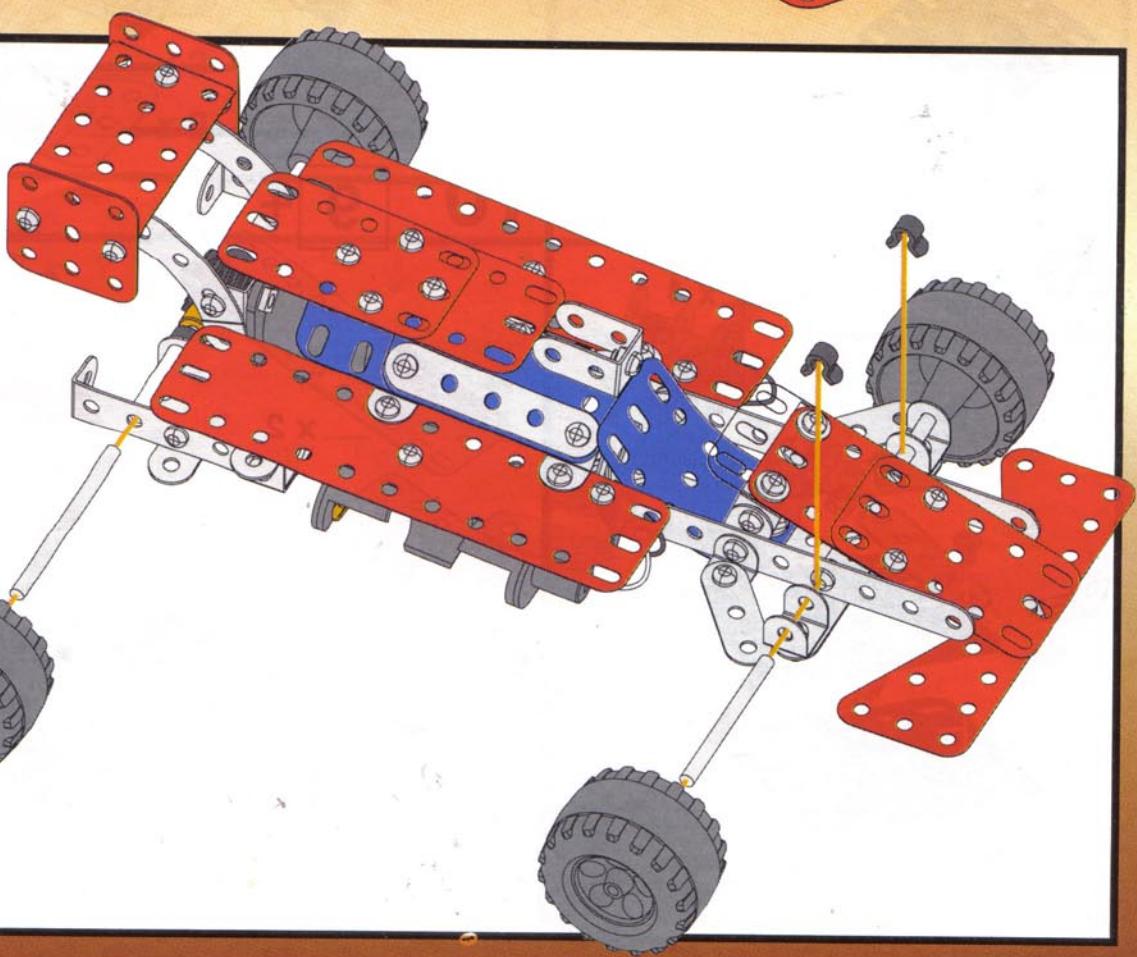
4**5**
2 + 3 + 4 +
**6**
5 +


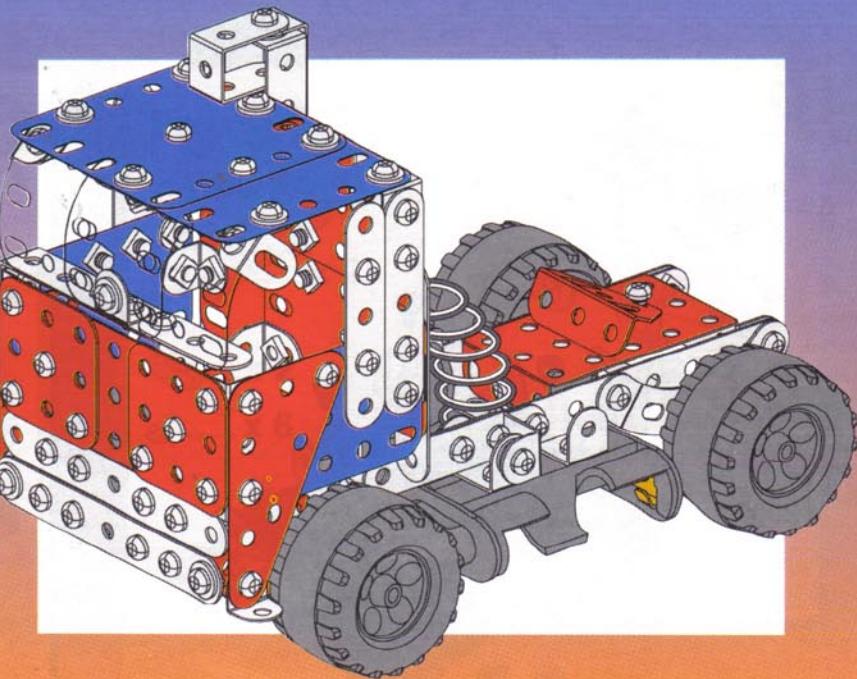
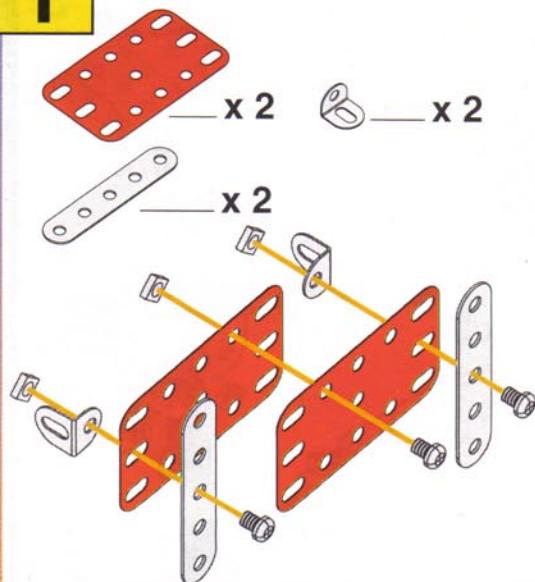
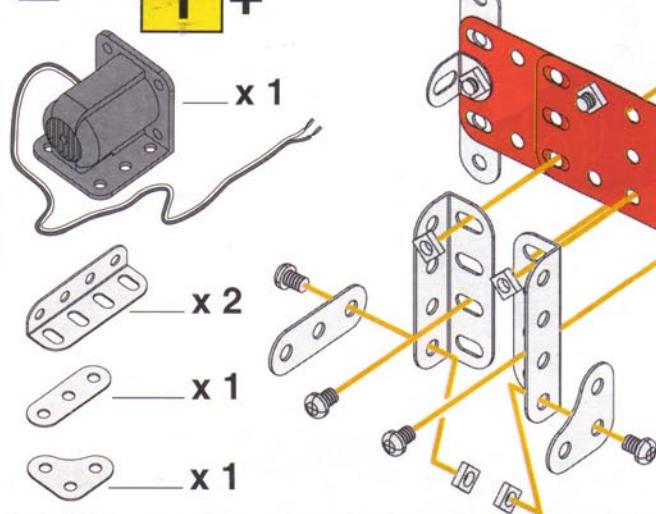
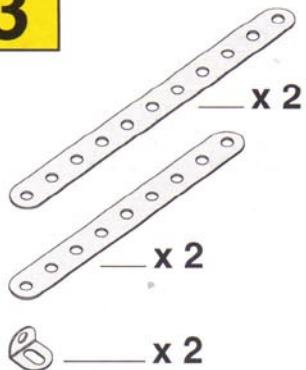
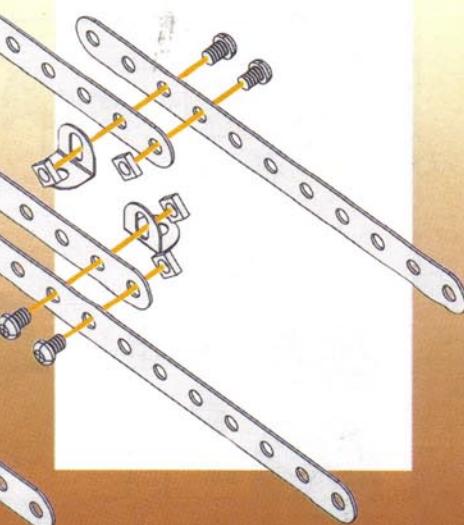
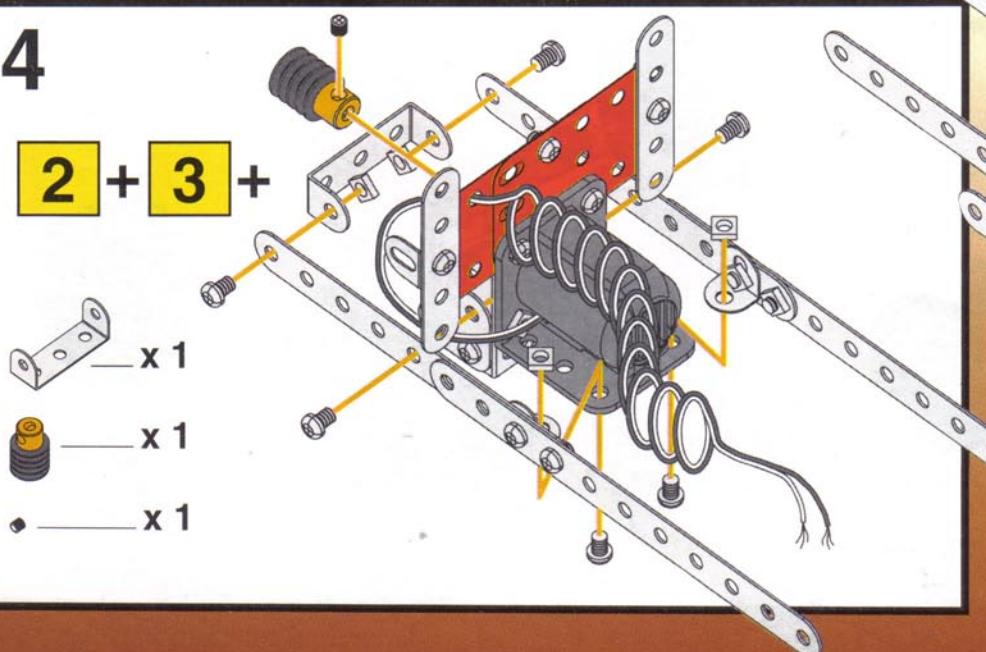
7**8** **6 + 7 +****9****10** **9 +**

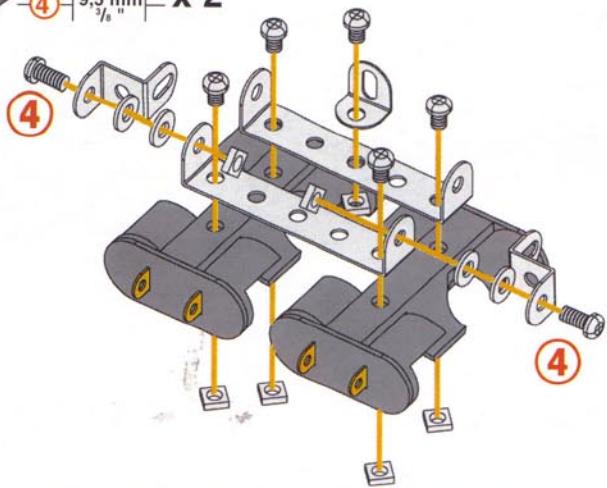
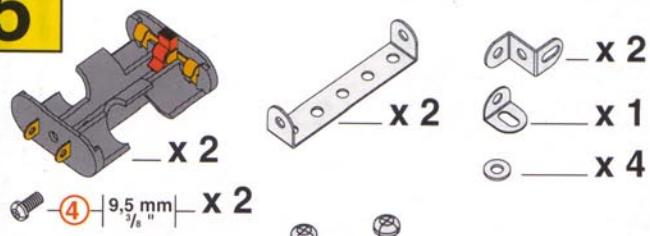
11**12****8 + 10 + 11 +**Screw - ④ | 9,5 mm | $\frac{9}{16}$ " x 2 ⚡ x 8**13****12 +**Rod | 4 cm | $1\frac{1}{2}$ " x 2Rod | 5 cm | $2\frac{1}{2}$ " x 2

Tire | x 4

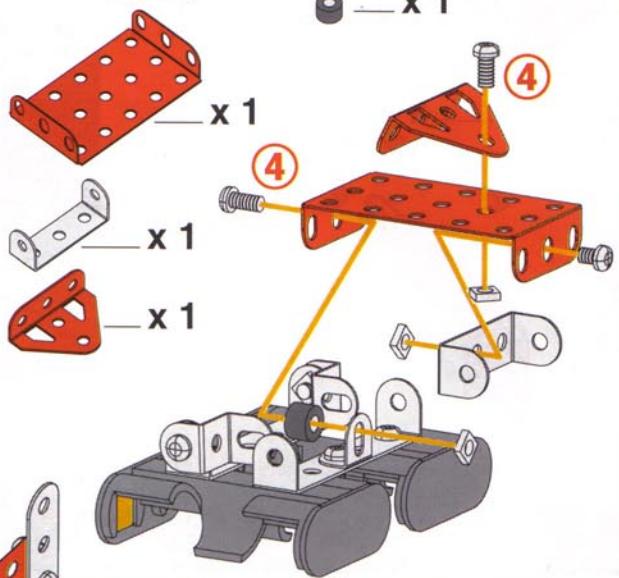
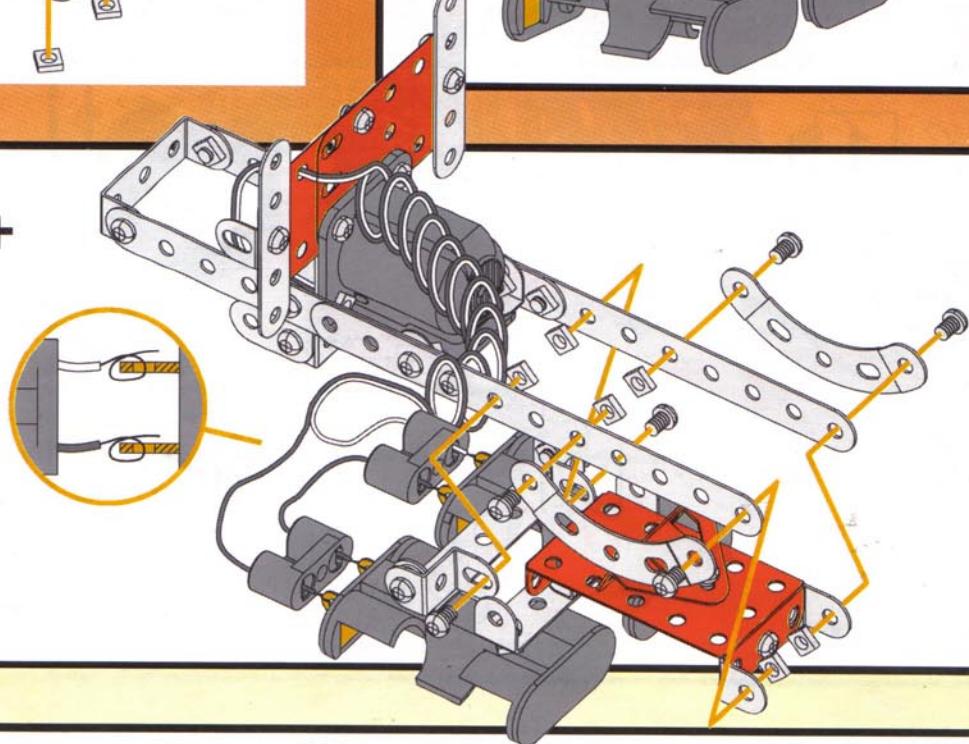
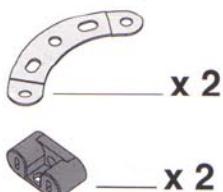
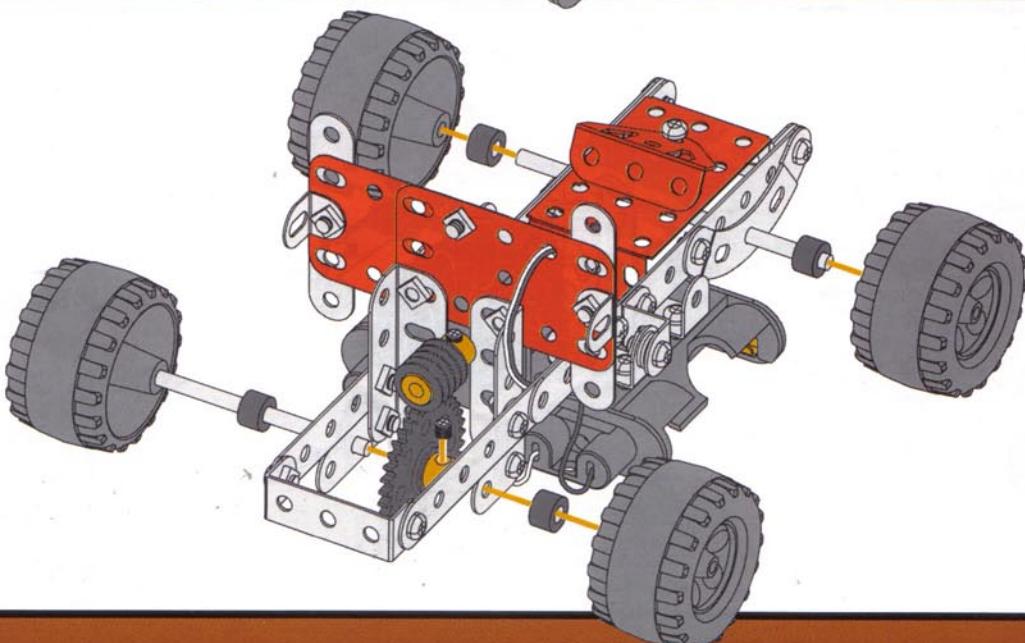
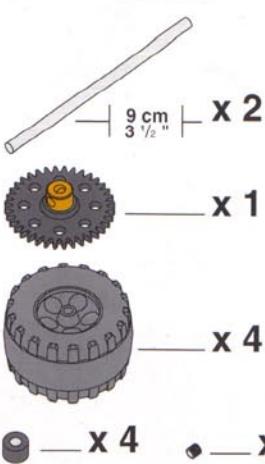
Shaft | x 2

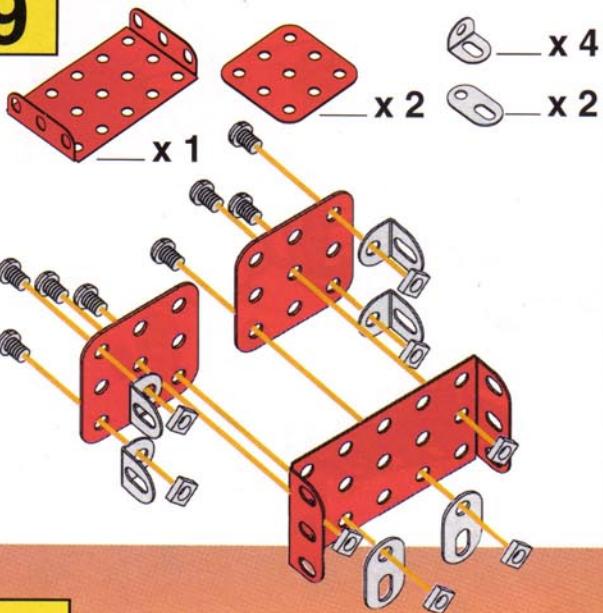
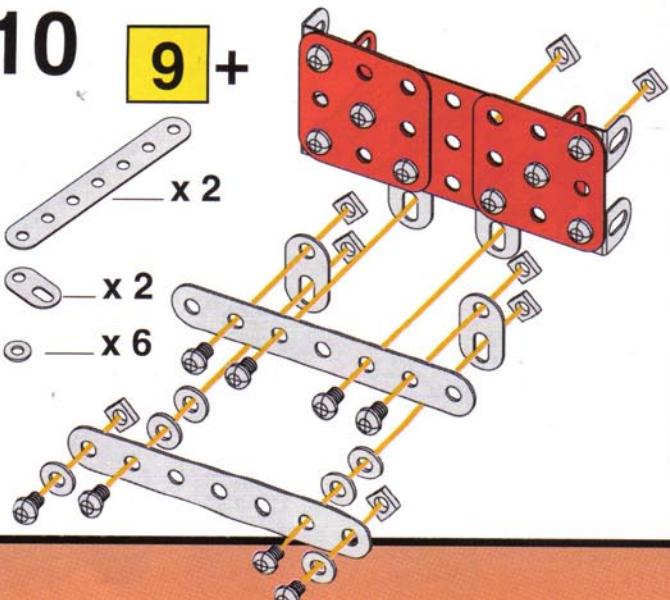
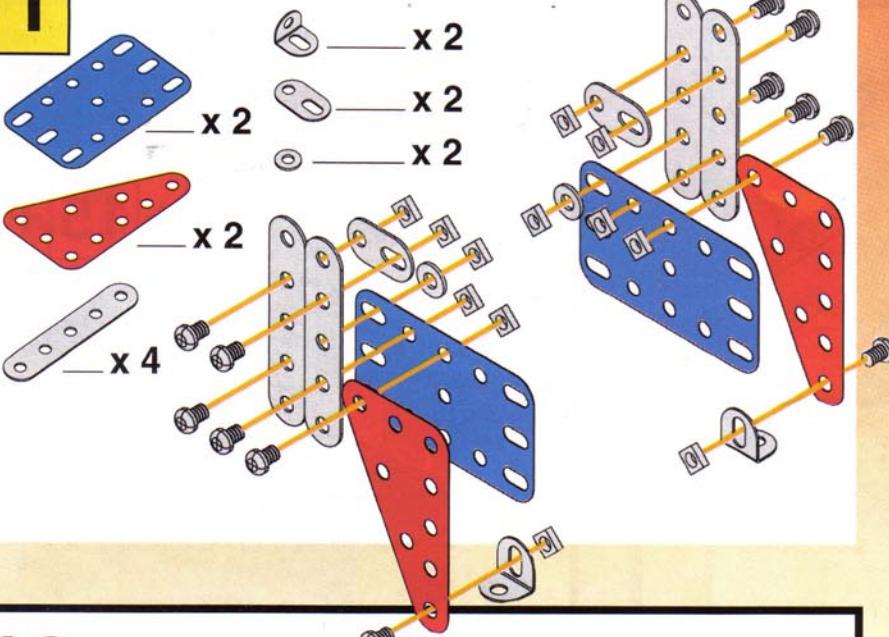
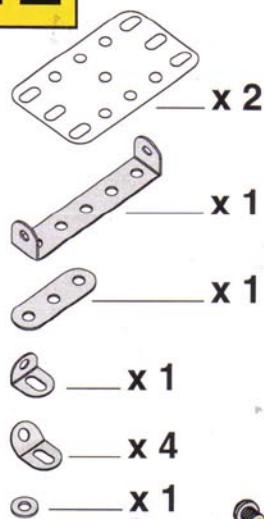
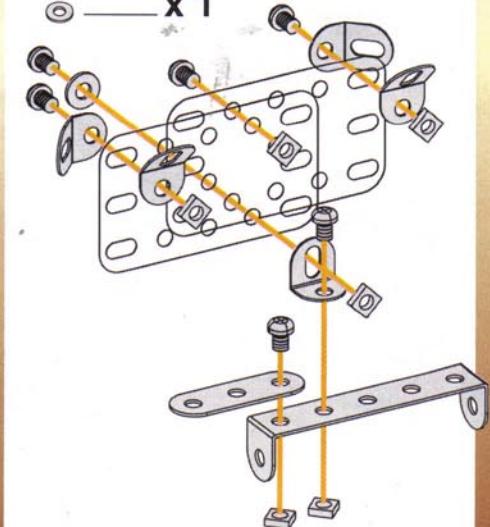
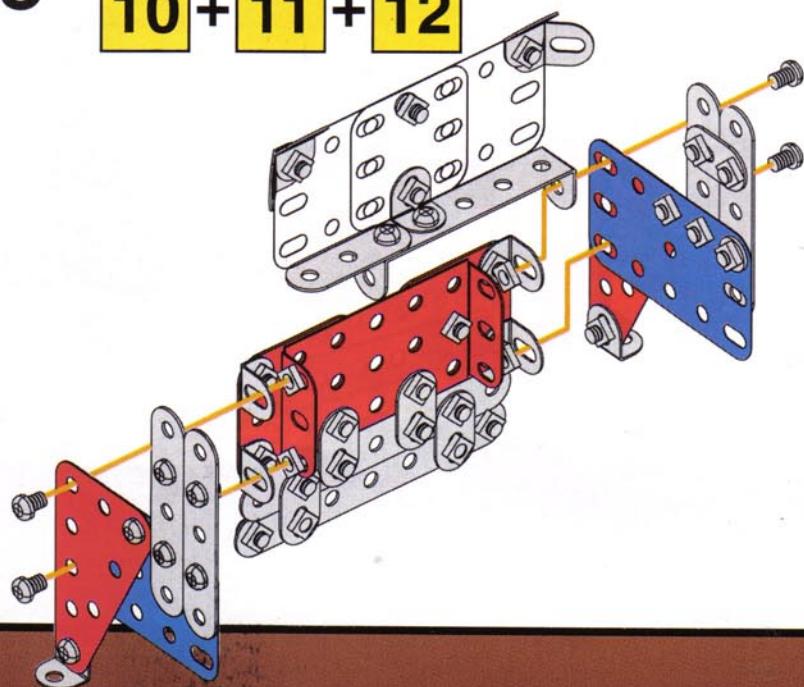


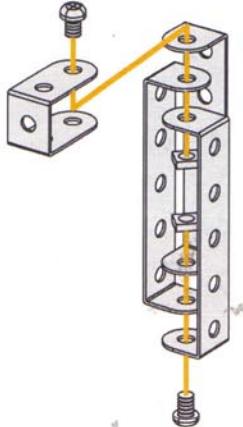
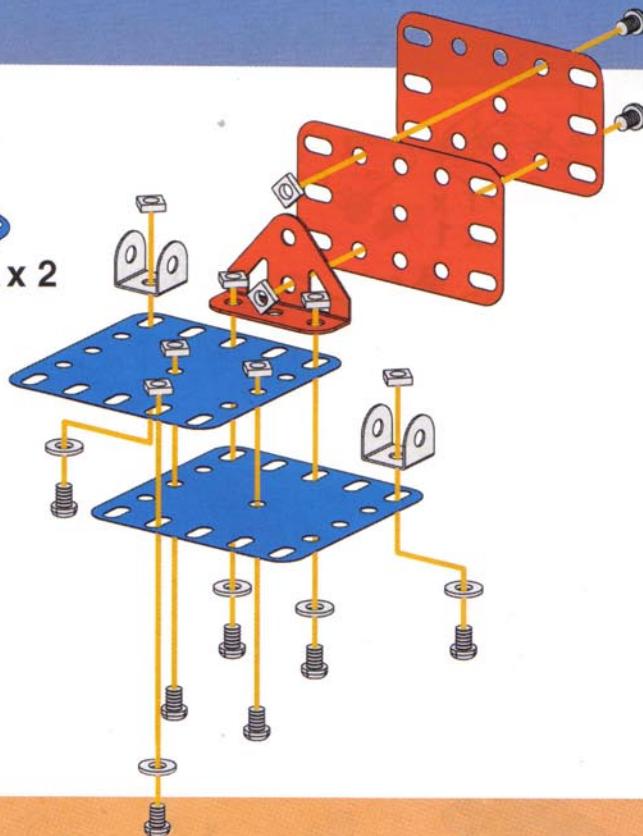
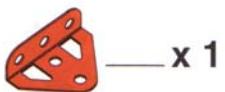
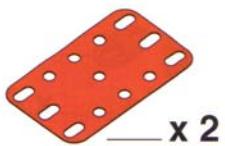
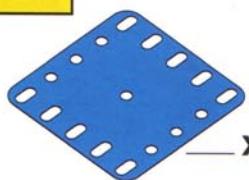
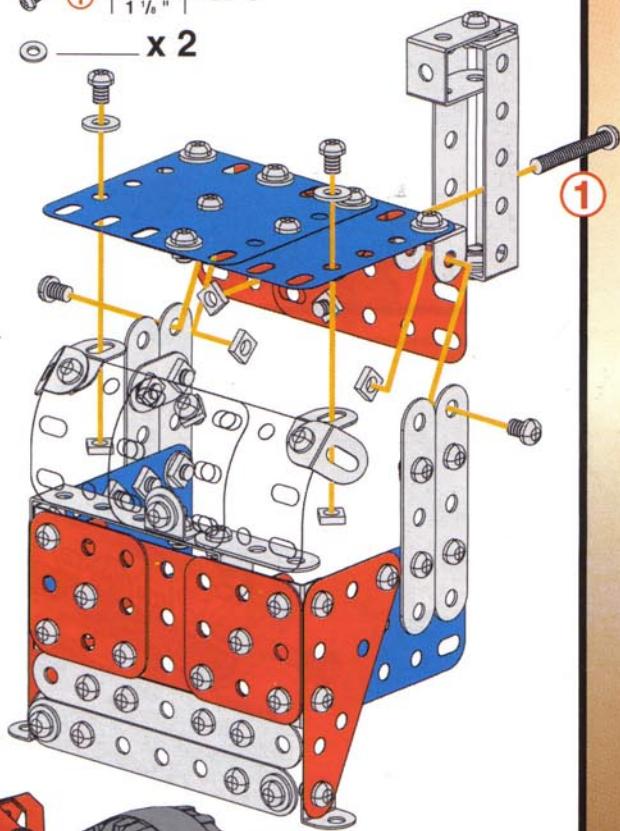
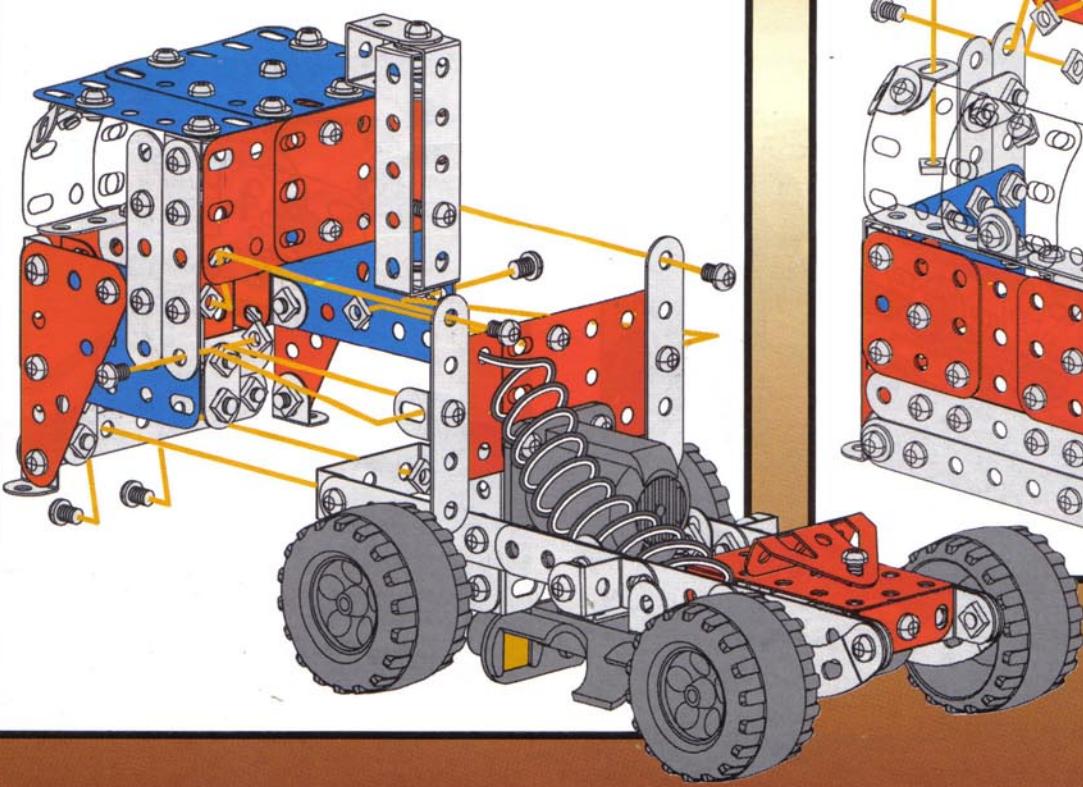
1**2****1 +****3****4****2 + 3 +**

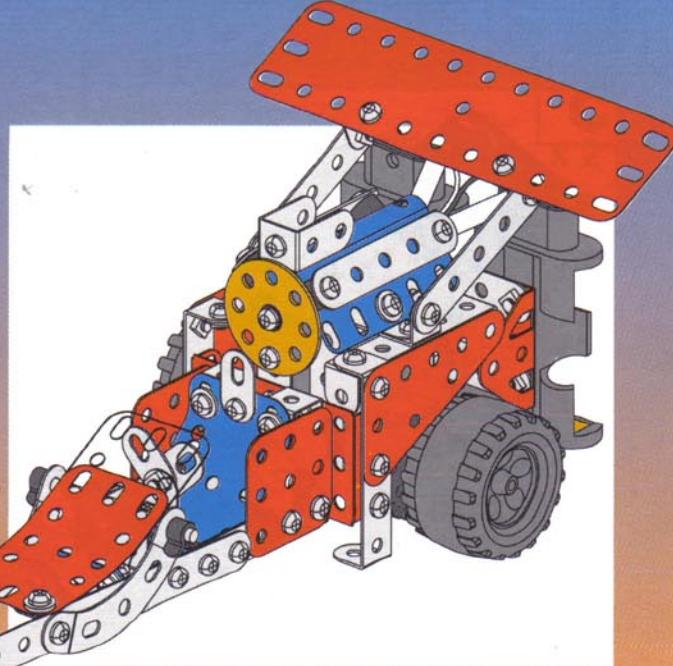
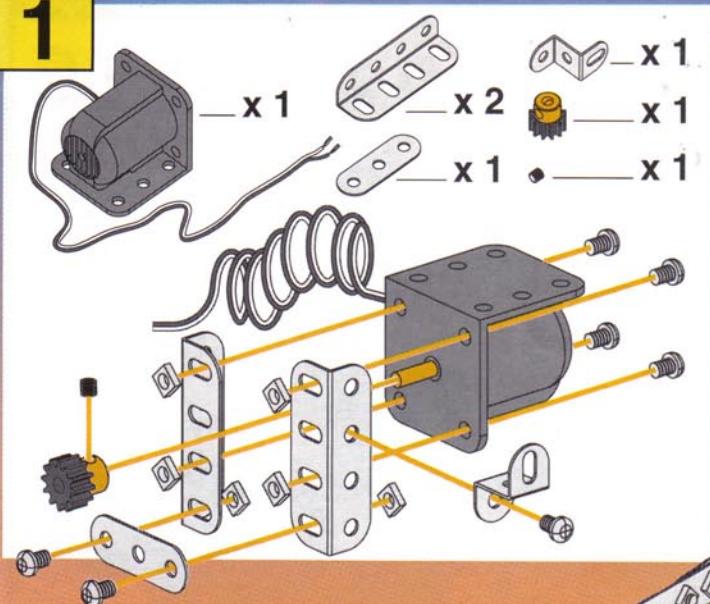
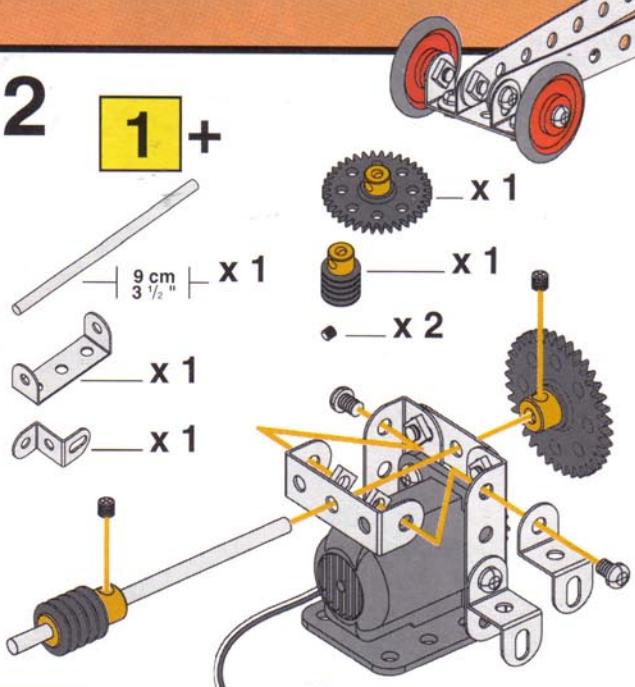
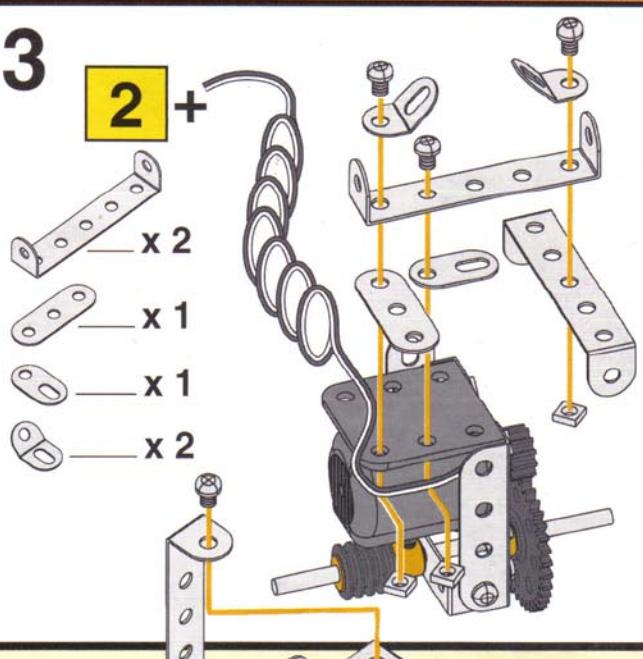
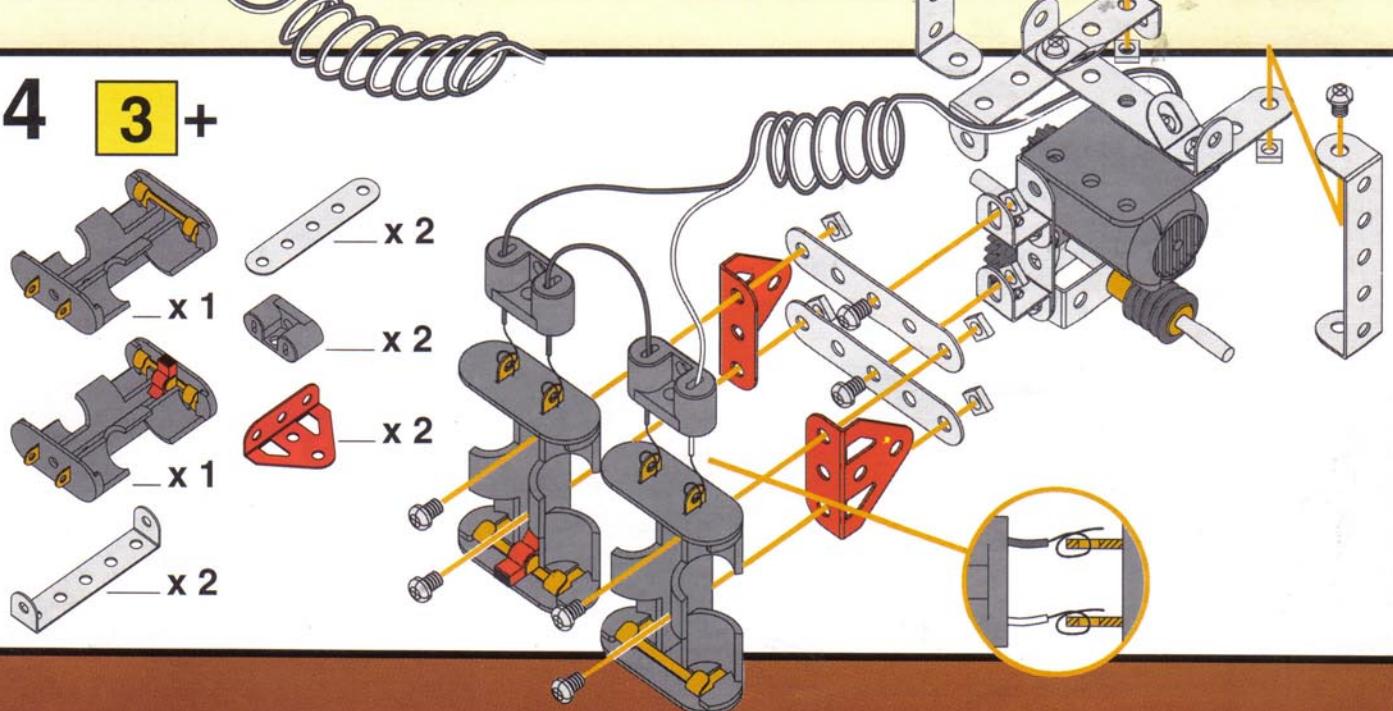
5**6****5 +**

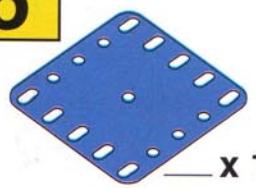
④ 9,5 mm 1/8 " x 2
● x 1

**7****4 + 6 +****8****7 +**

9**10****9 +****11****12****13****10 + 11 + 12**

14**15****16****13 + 14 + 15 +****17****8 + 16**

1**2****1 +****3****2 +****4****3 +**

5

x 1

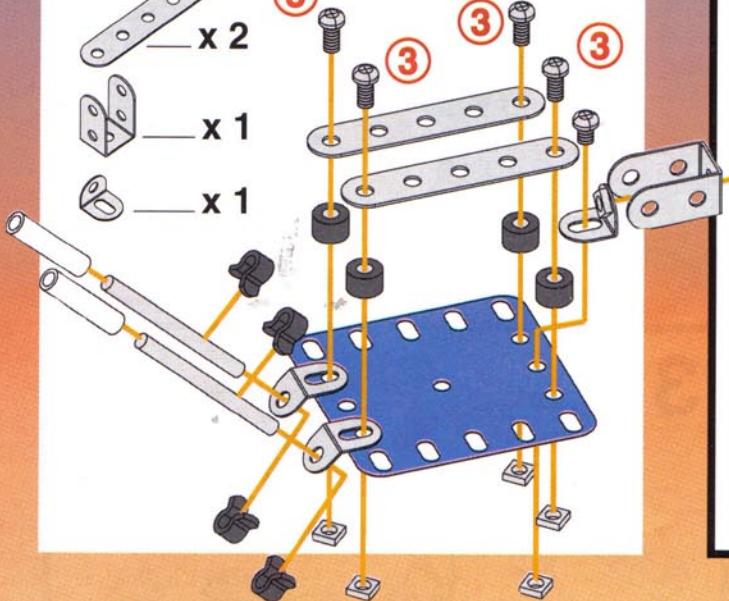
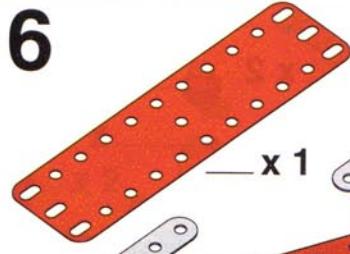
x 2

x 2

x 1

x 1

- x 2
- x 4
- x 4
- x 4
- x 2

**6**

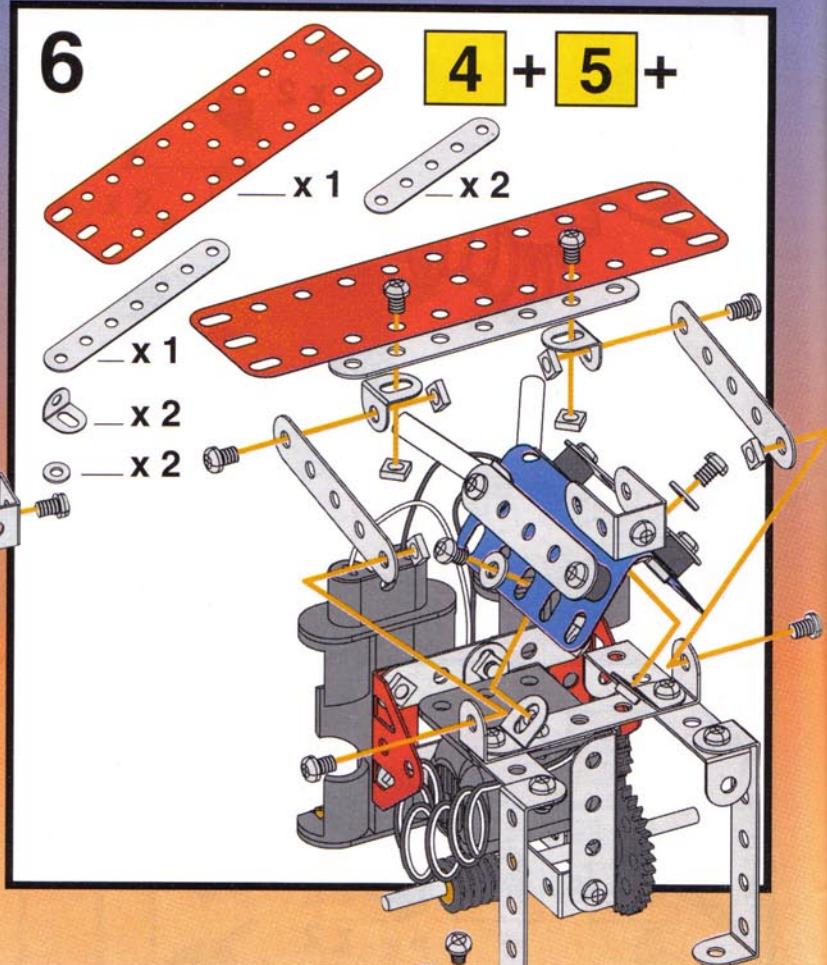
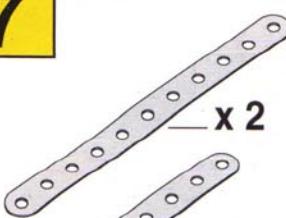
x 1

x 2

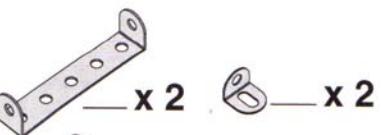
x 2

x 2

x 2

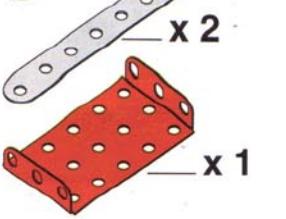
4 + 5 +**7**

x 2

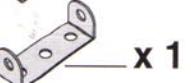


x 2

x 2

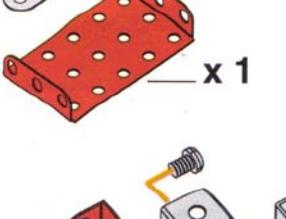


x 1

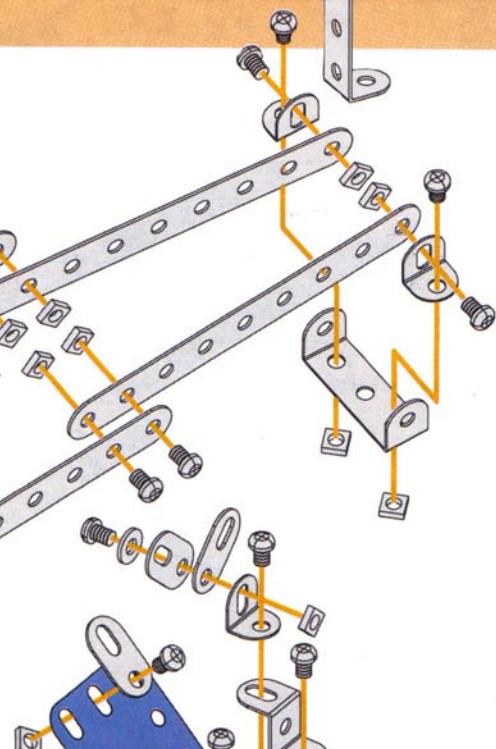
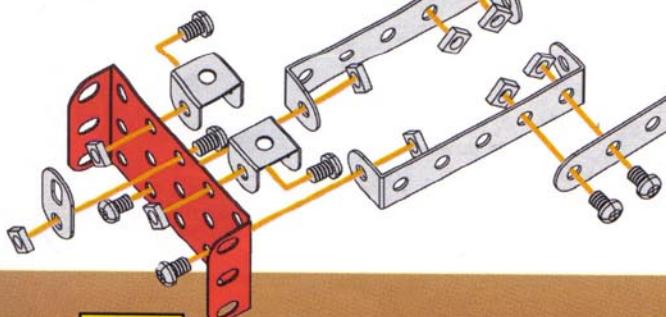
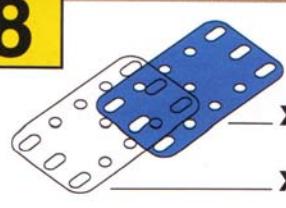


x 1

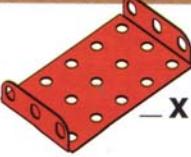
x 1



x 2

**8**

x 1

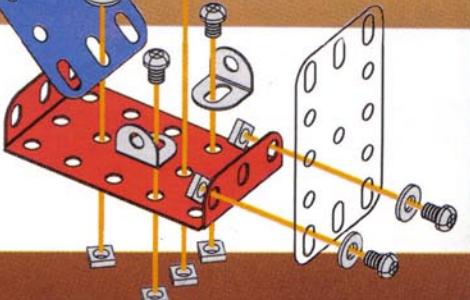


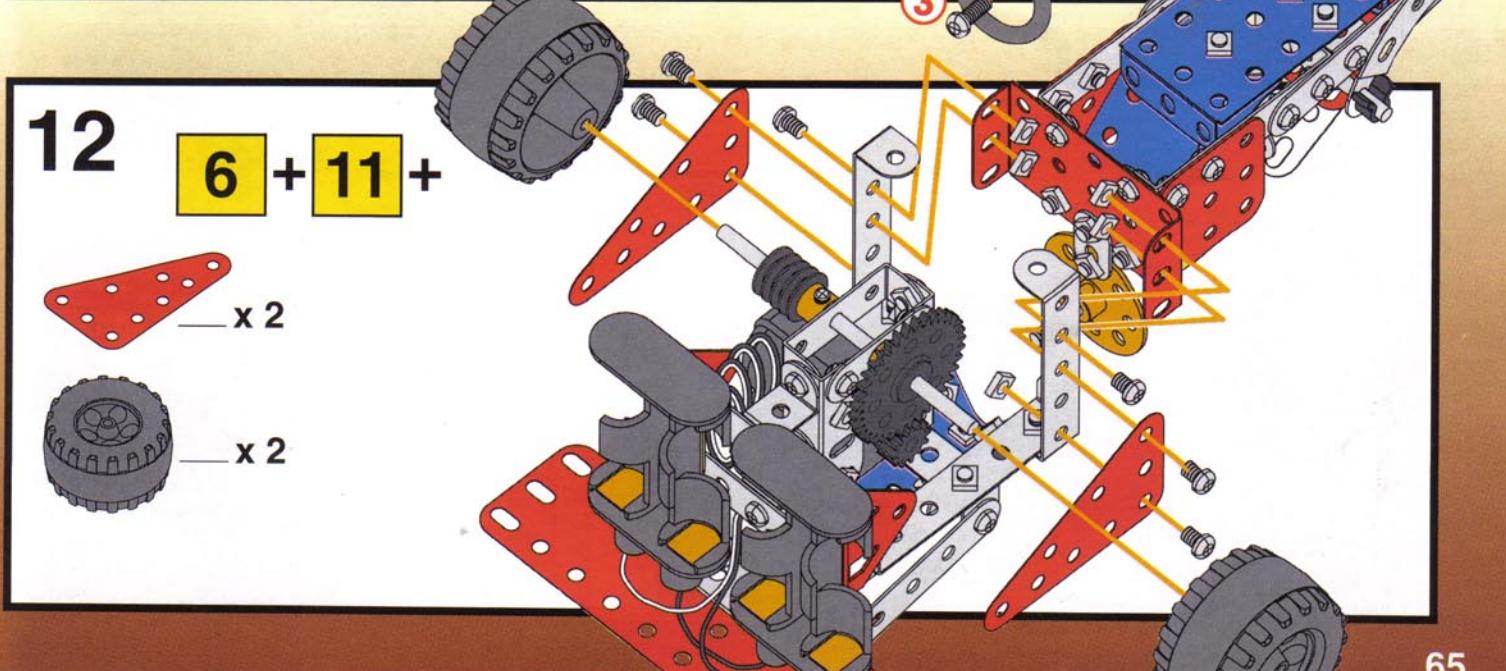
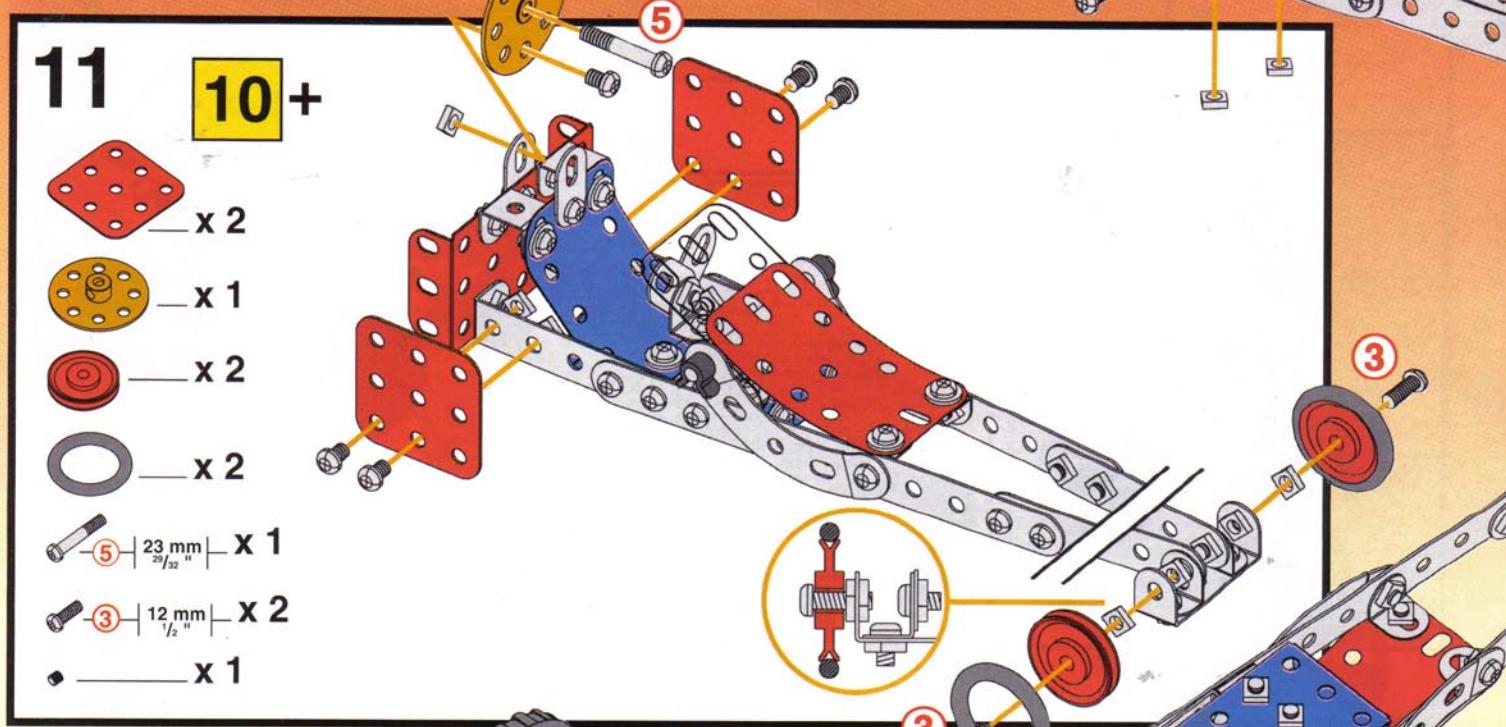
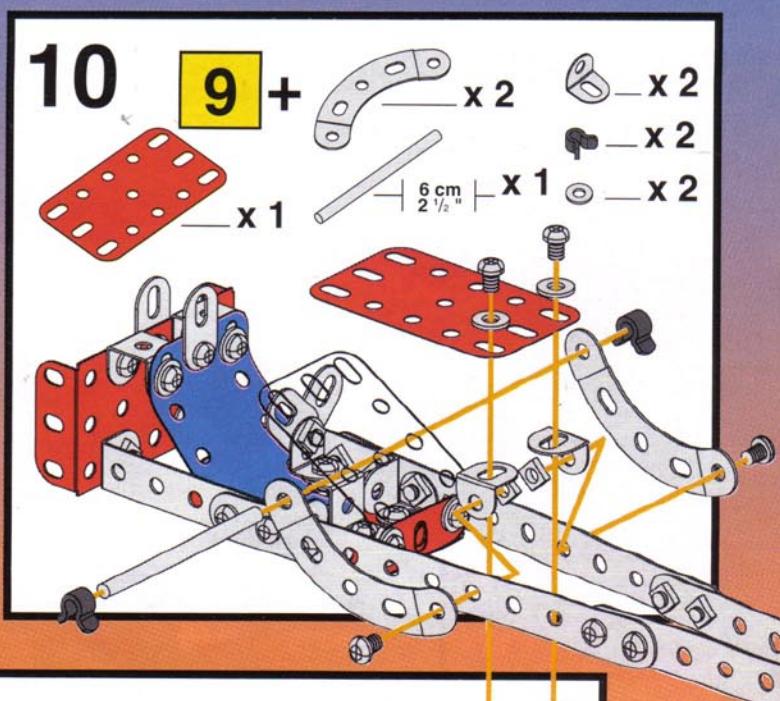
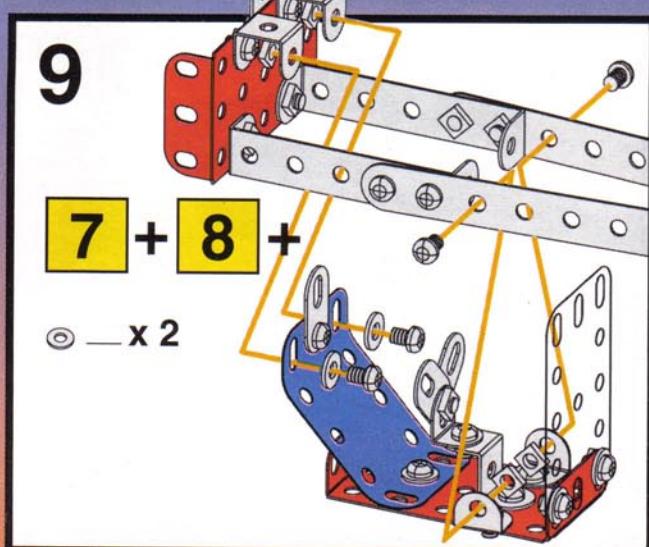
x 1

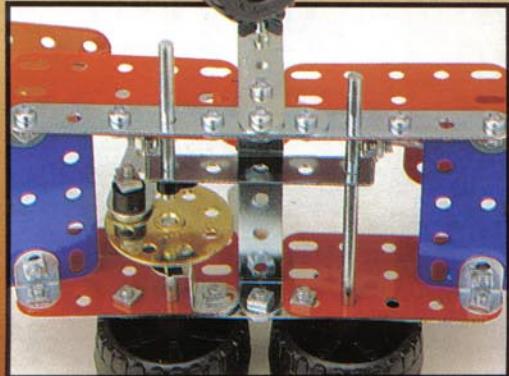
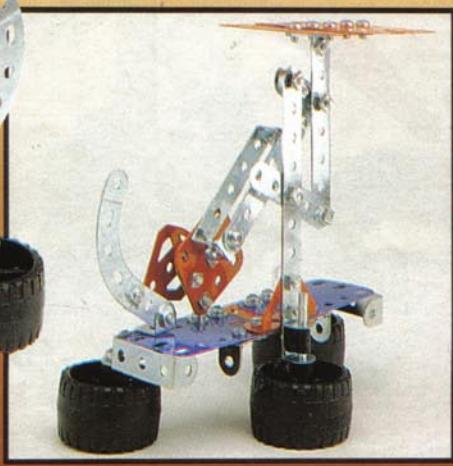
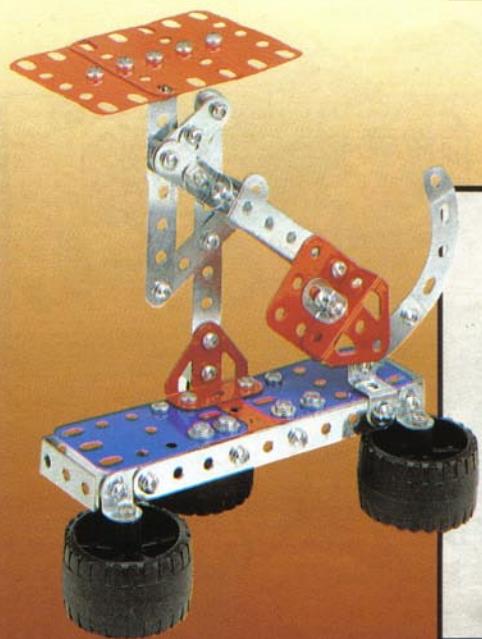
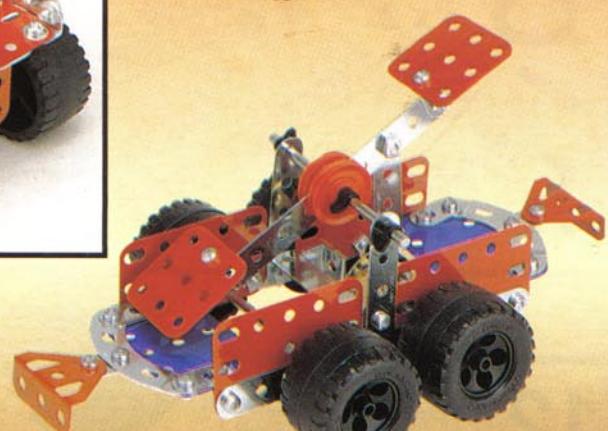
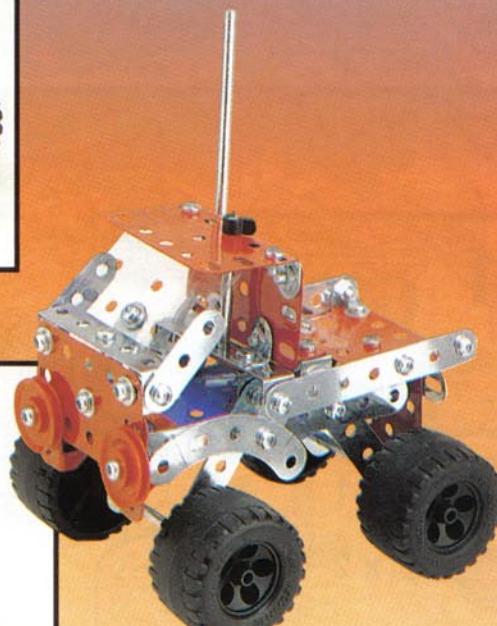
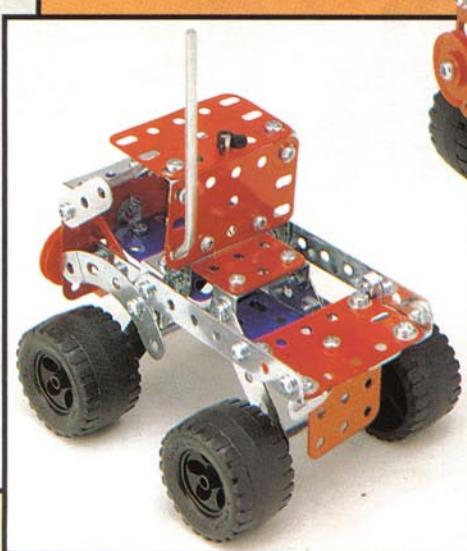
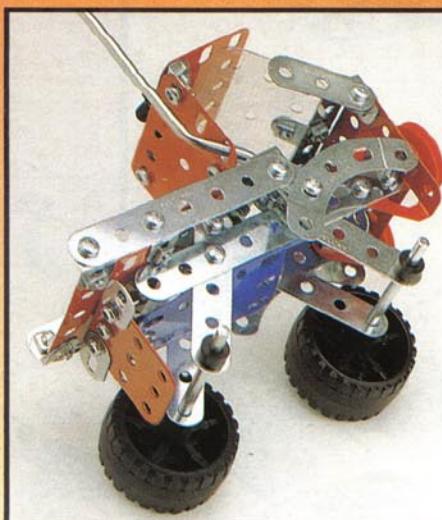
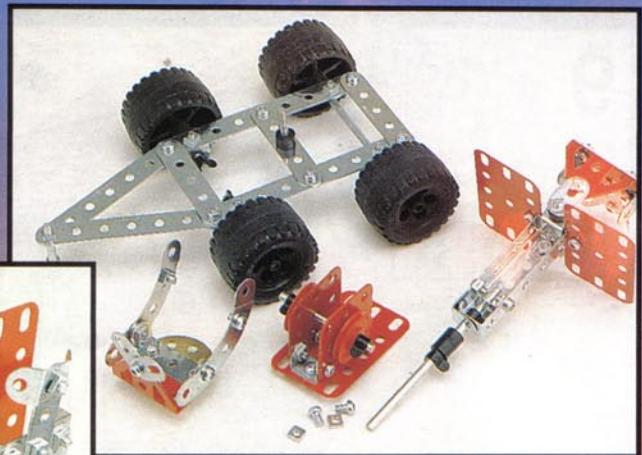
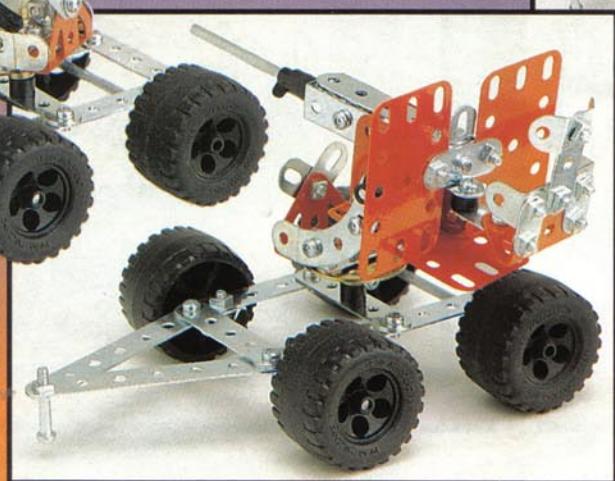
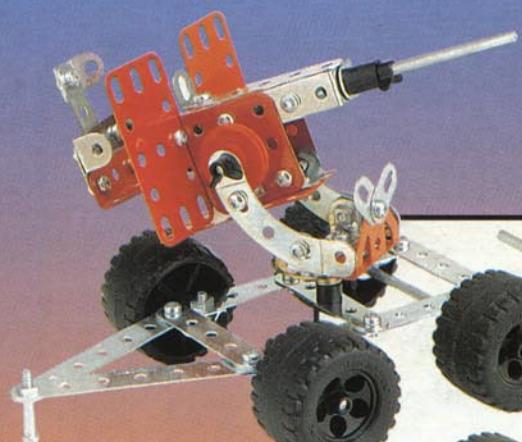
x 4

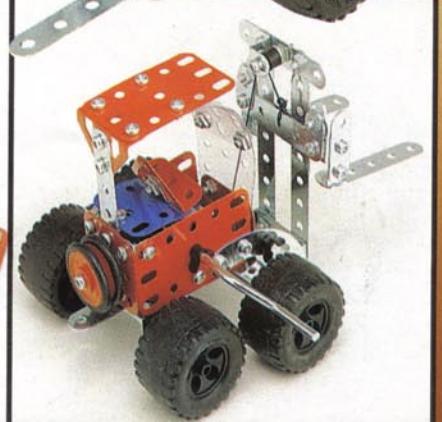
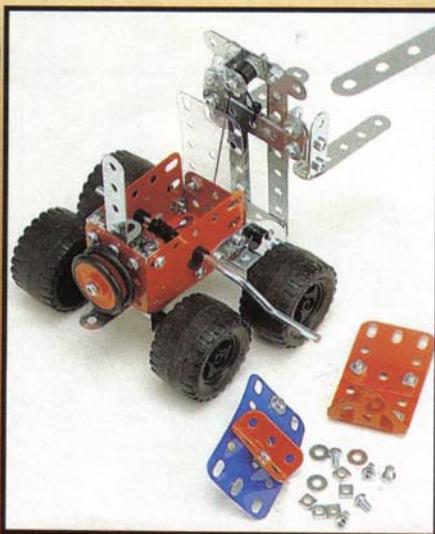
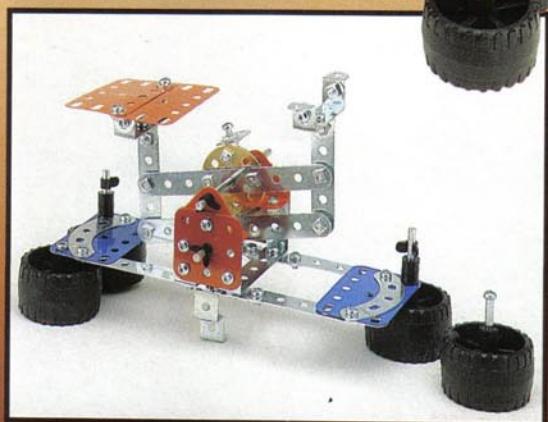
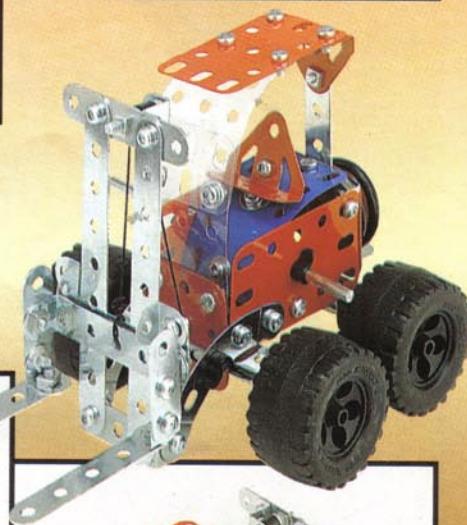
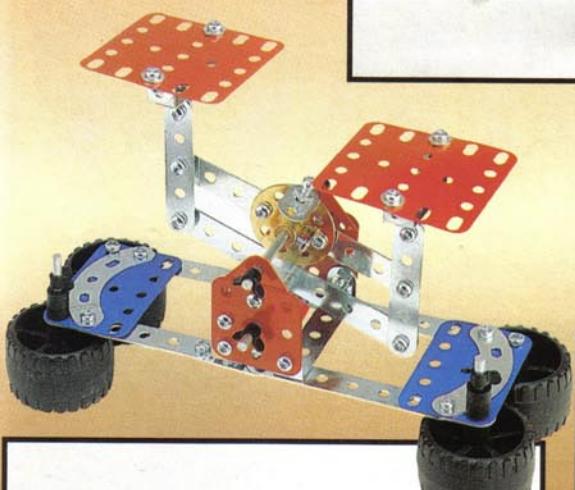
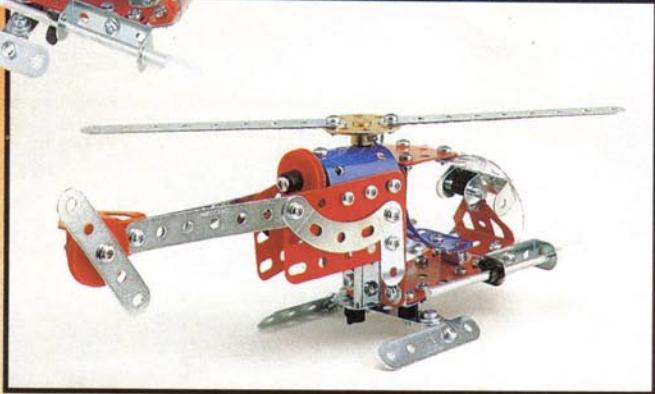
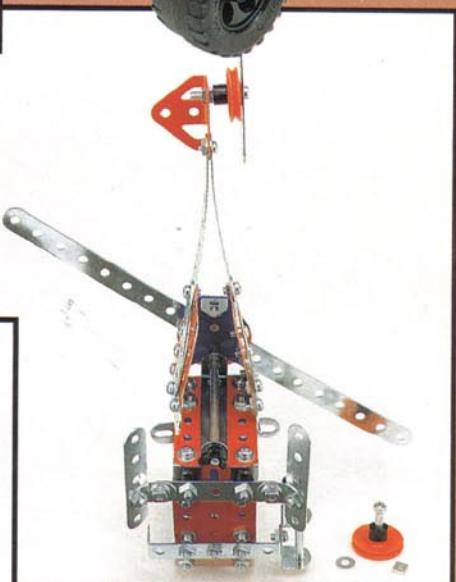
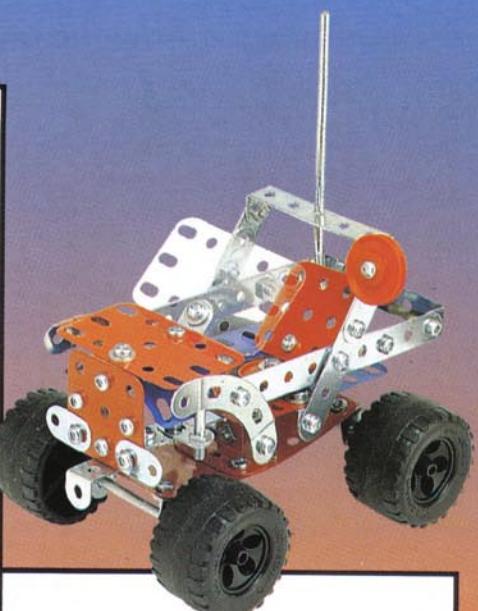
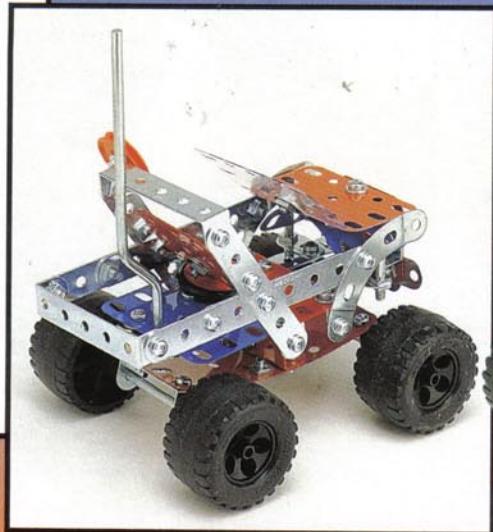
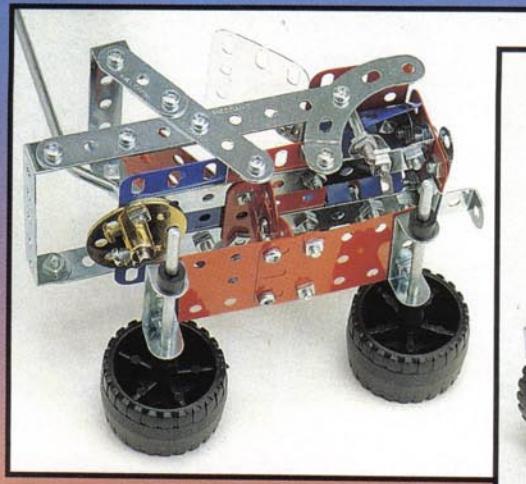
x 3

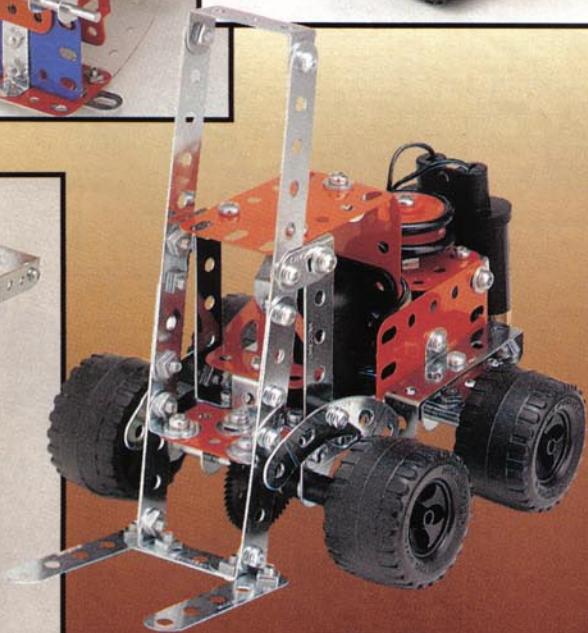
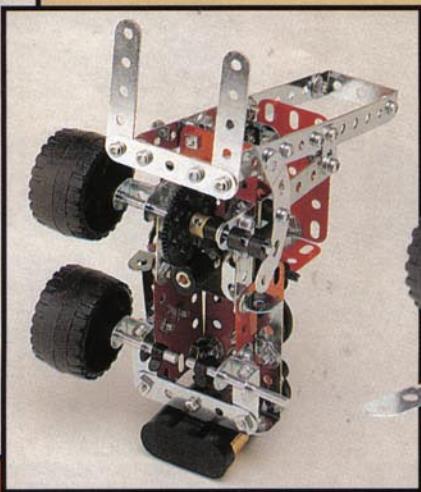
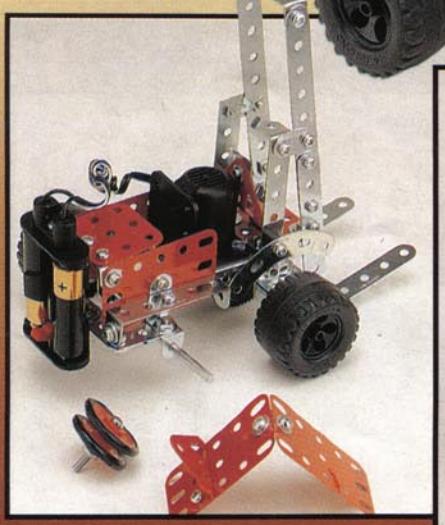
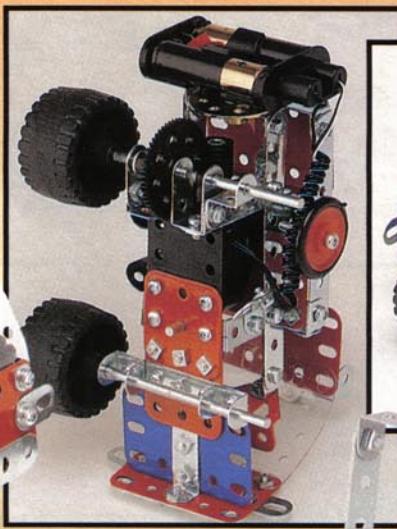
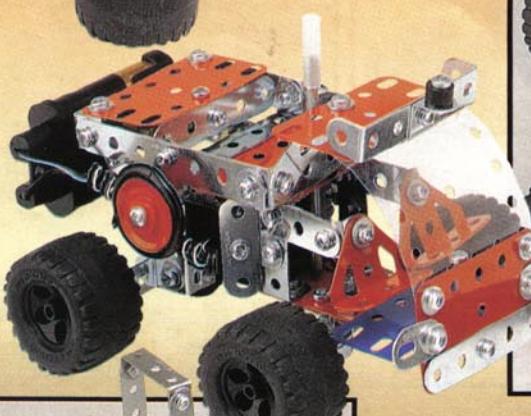
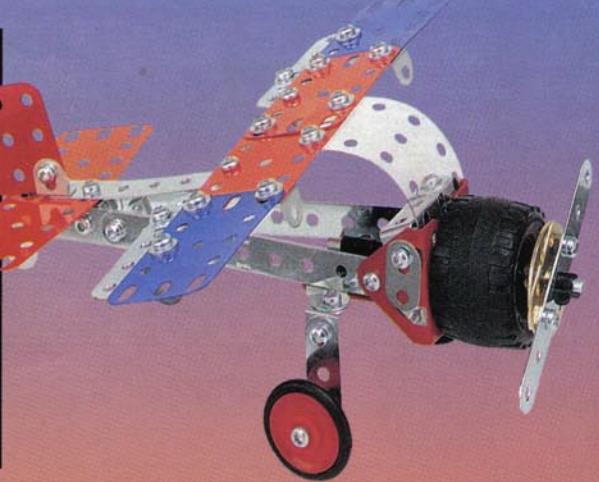
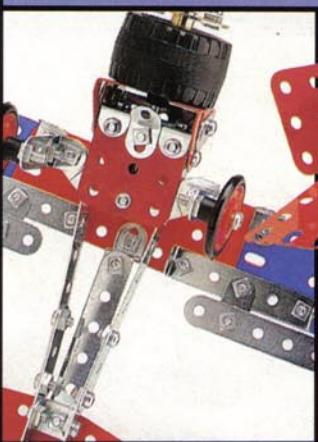
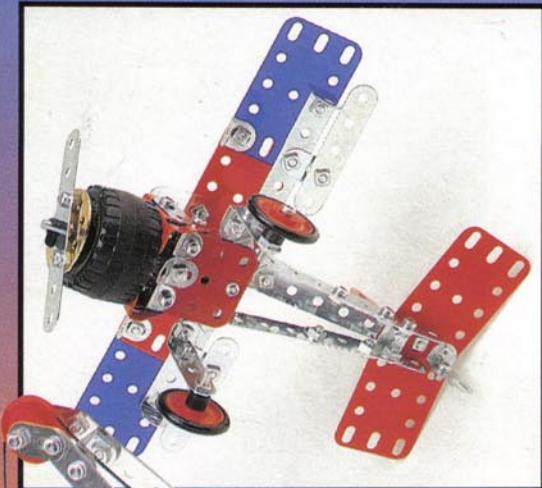
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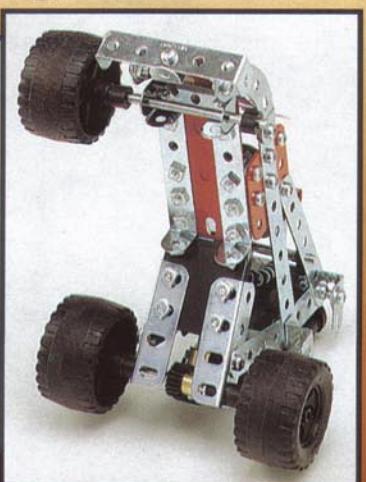
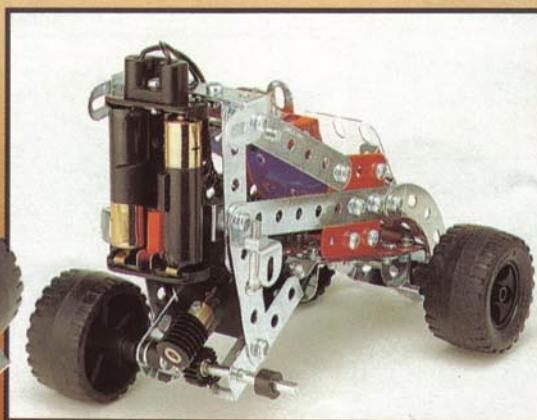
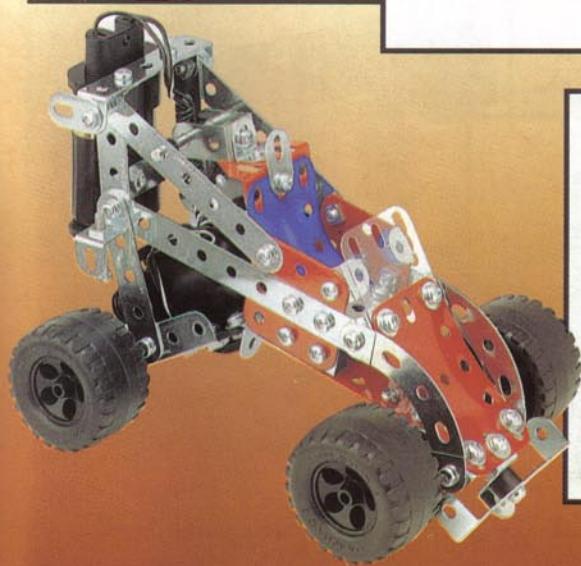
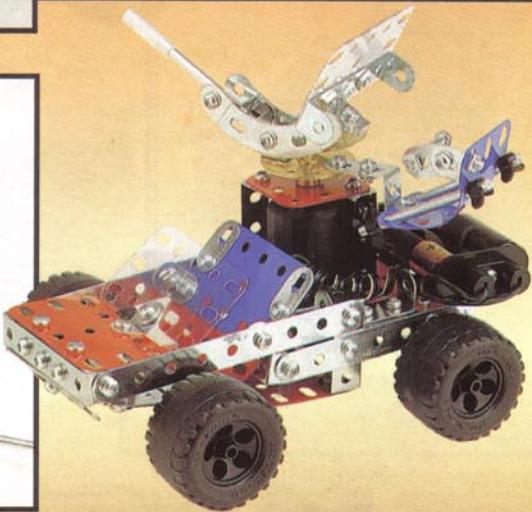
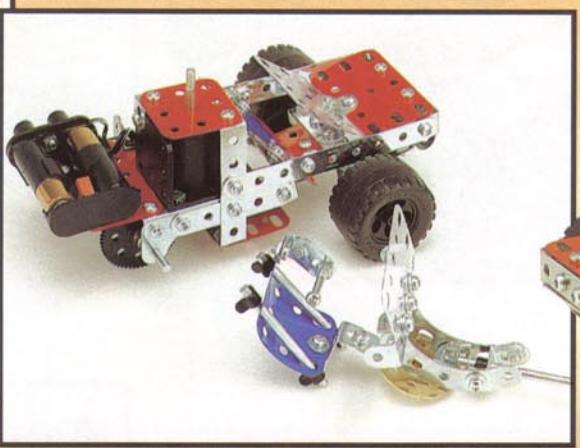
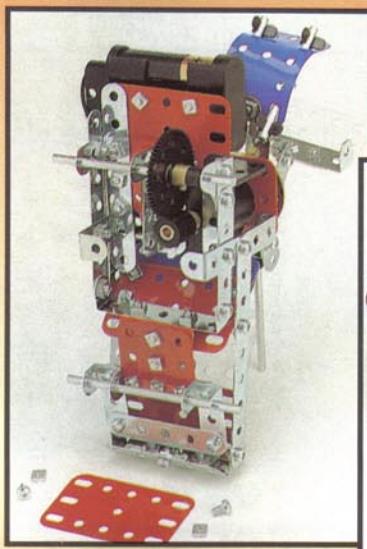
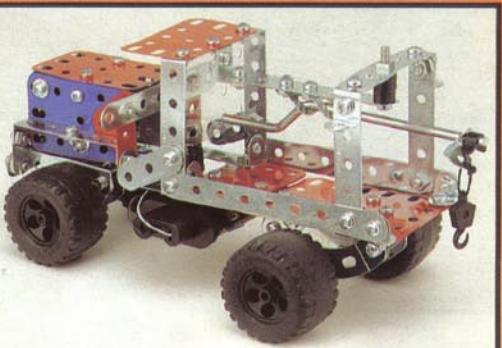
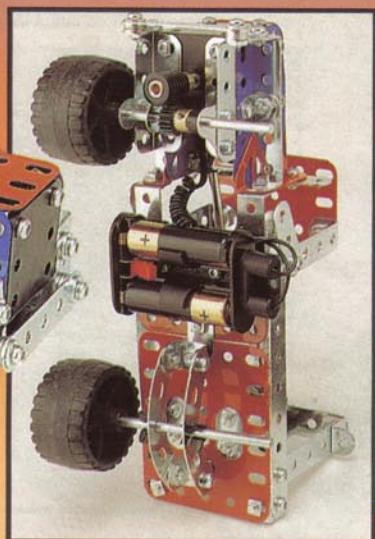
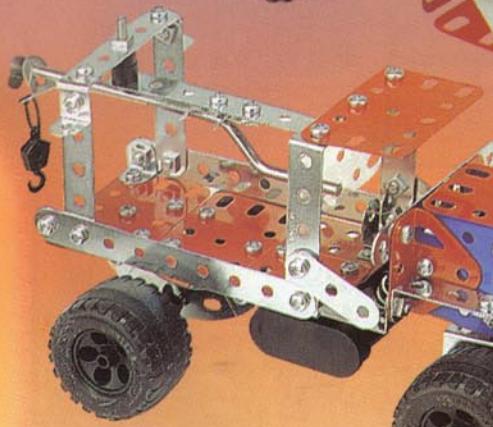
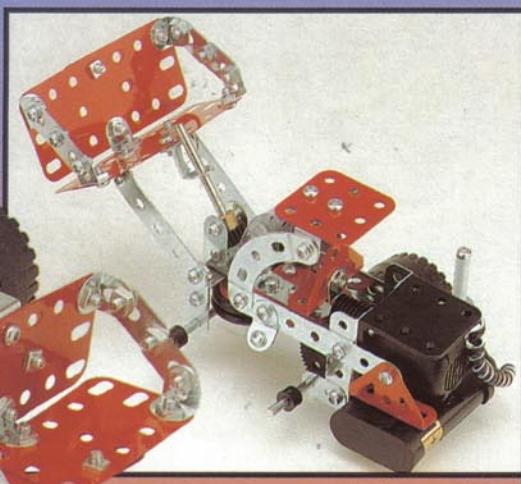
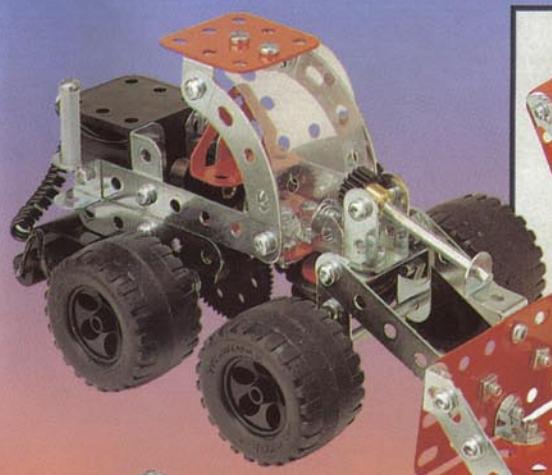


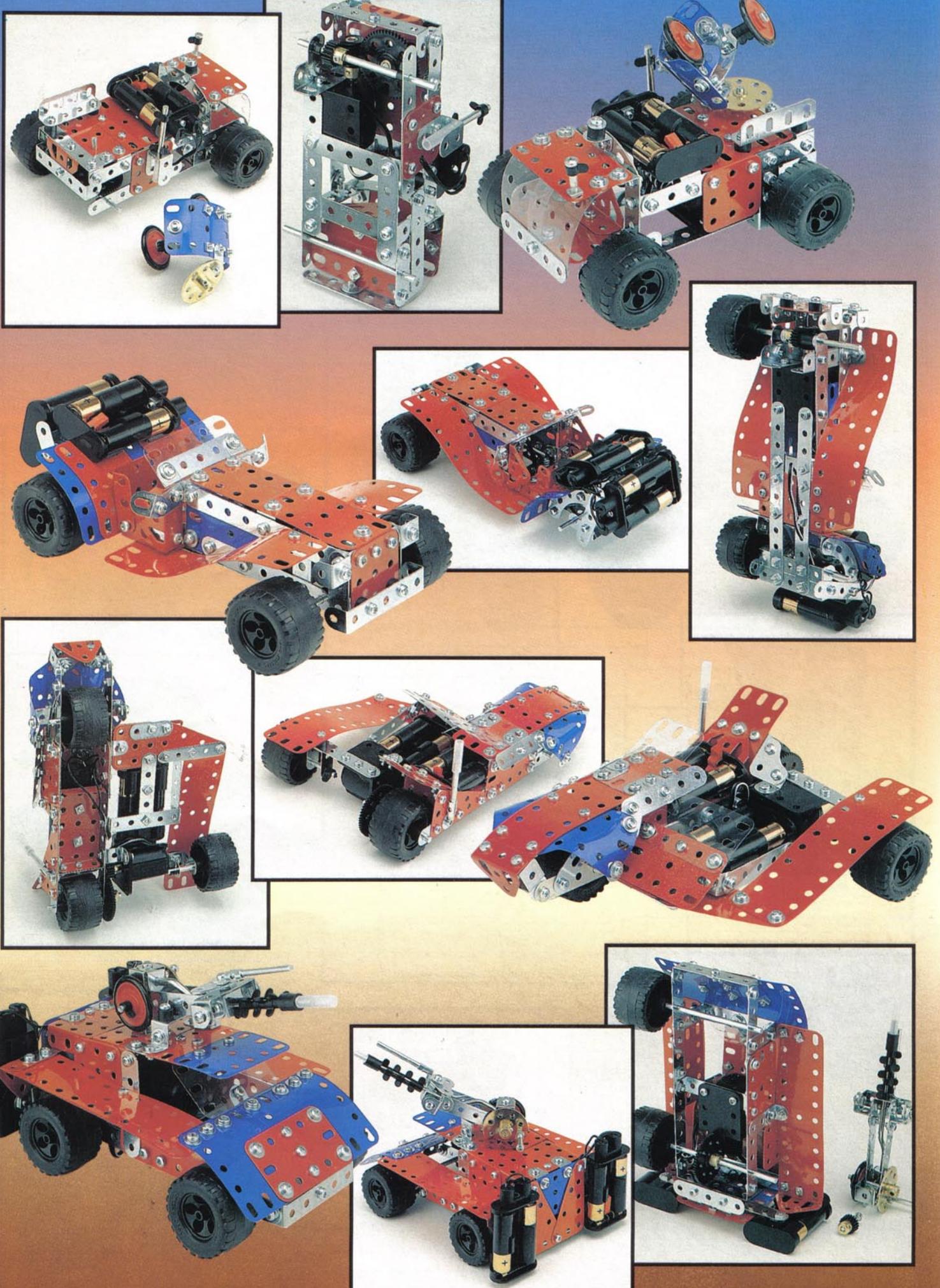


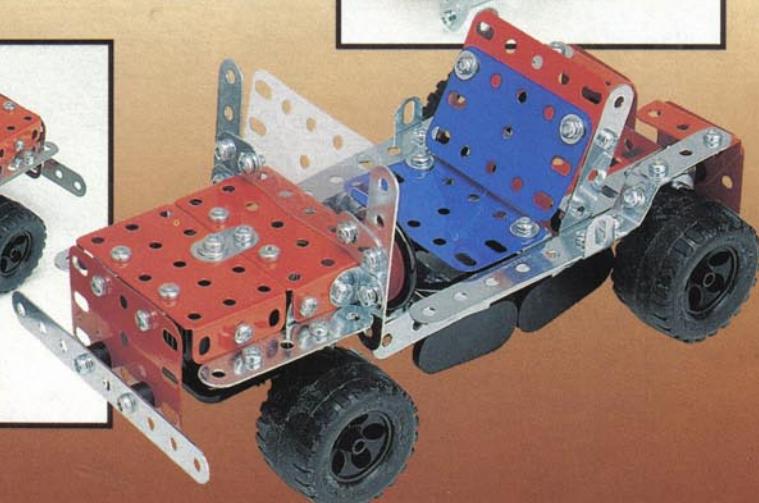
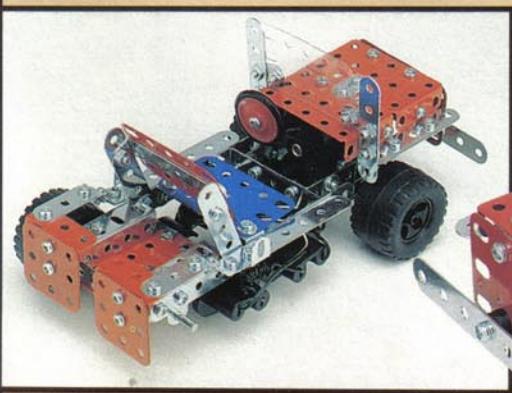
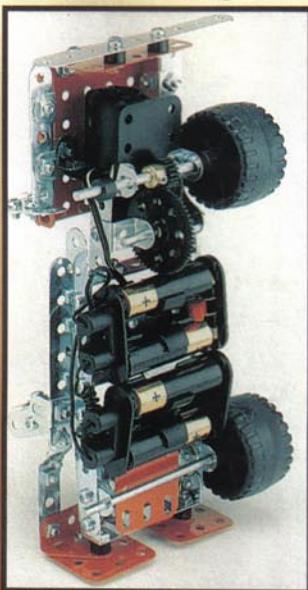
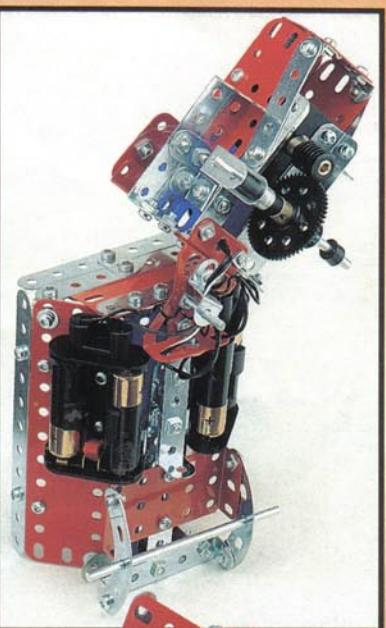
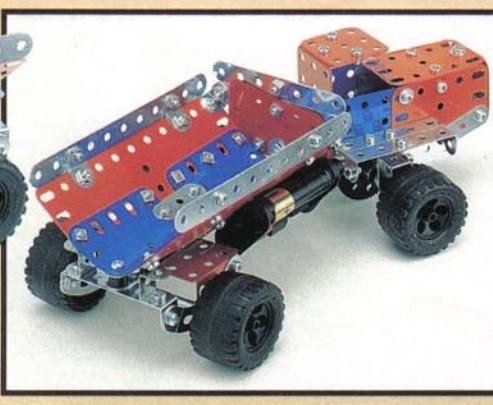
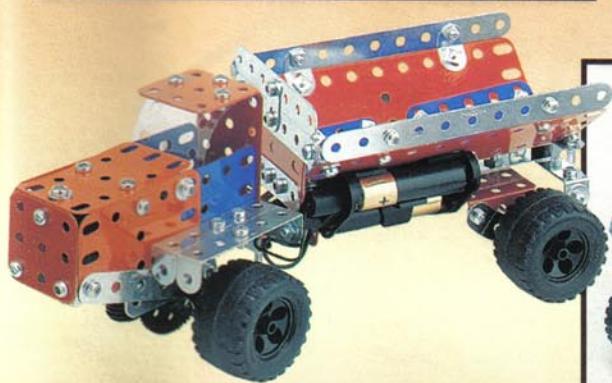
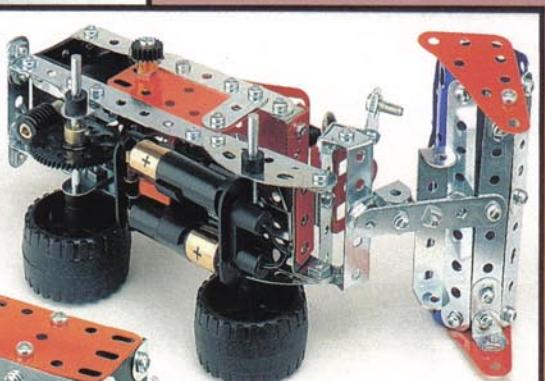
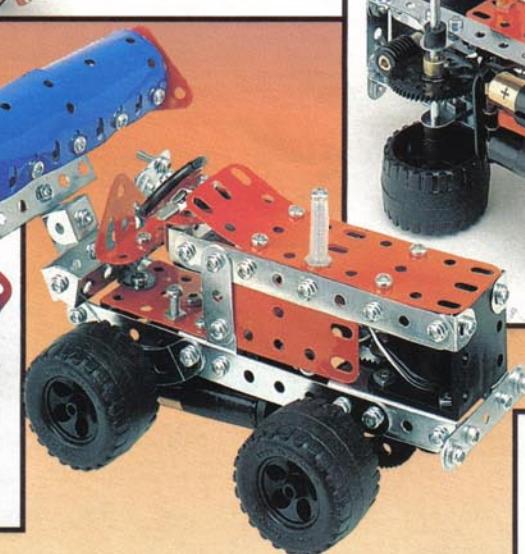
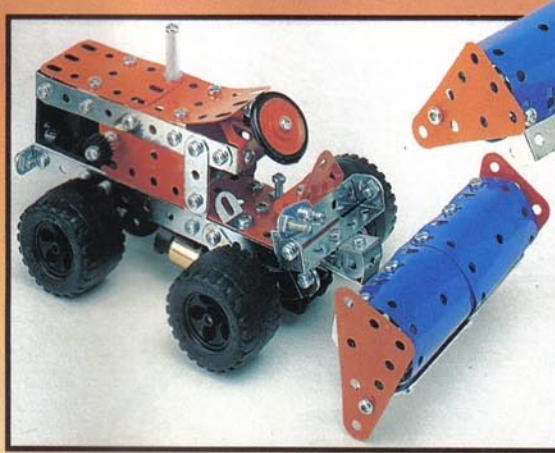
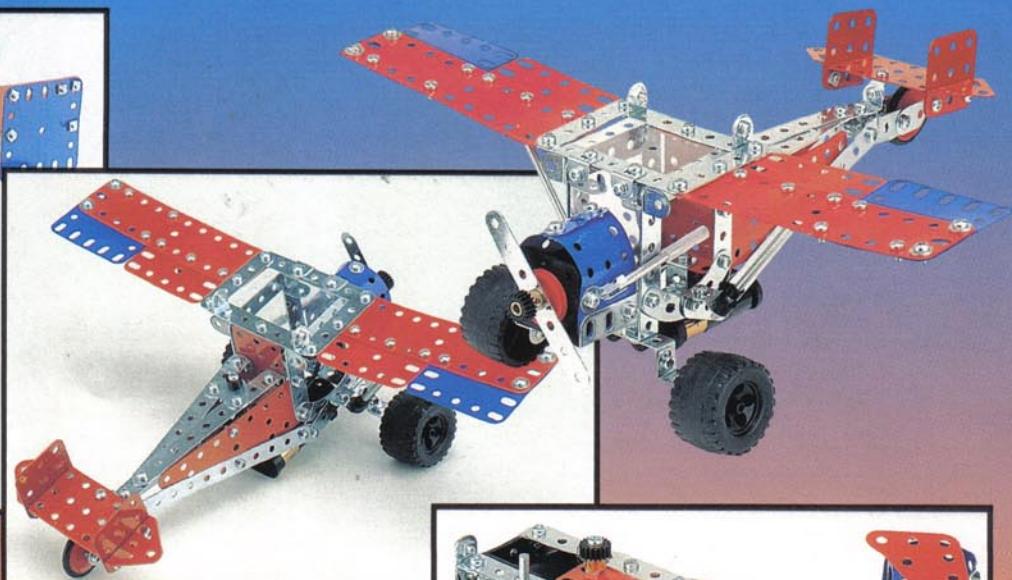
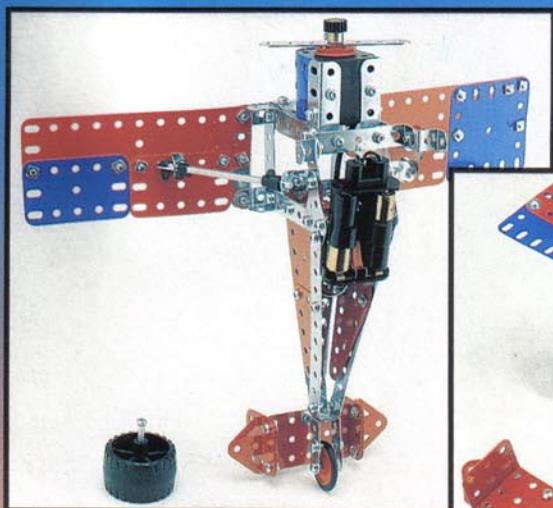




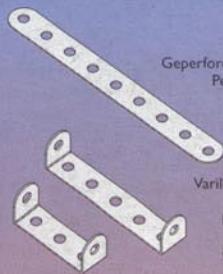








Perforated strip ± 9 holes
Bandé ± 9 trous
Lochband
Banda ± 9 buchi
Längsbalk ± 9 häls
Reijitetryt lista



Element ± 9 huller
Varilla ± 9 agujeros
Geperforeerde strook ± 9 gaten
Peça perfurada ± 9 furos
Διάτρητο μακρόστενο στοιχείο ± 9 τρύπες
穴あき(土)プレート

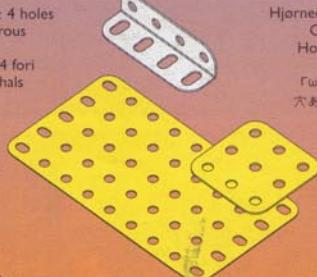
Double angle strips
Bandes coudeées
Winkeleisen
Banda a gomito
Dubbel vinkel balk
Kaksoiskulma lista

Curved strip
Bandé incurvée
Gebrugd lochband
Banda ricurve
Svängd balk
Taivutettu lista

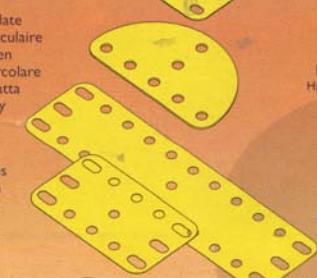
Angle girders ± 4 holes
Cornière ± 4 trous
Winkelreisen
Profilato a L ± 4 fori
Vinkelbalk ± 4 hals
Kulmarauta



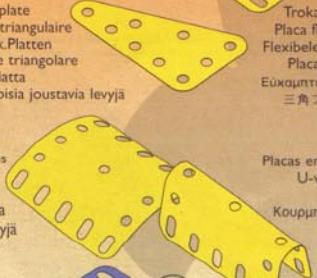
Hjørneelement ± 4 huller
Canto ± 4 agujeros
Hoekbalkje ± 4 gaten
Canto ± 4 furos
Γωνία με ± 4 τρύπες
穴あき(± 4) アングル



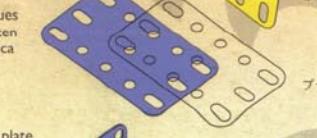
Faste plader
Placas rígidas
Vlakke platen
Placas rígidas
Ακμητες πλάκες
プレート(硬い)



Halvcirkelplade
Placa semicircular
Halvcirkelplatte
Placa semi-circular
Ημικυκλικές πλάκες
半円プレート



Bojelige plader
Placas flexibles
Flexible platen
Placas flexibles
Εύκαμπτες πλάκες
プレート(柔らかい)



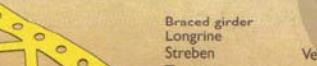
Trokantet bojelig plade
Placa flexible y triangular
Flexible driehoekige plaat
Placa flexible triangular
Εύκαμπτη τριγωνική πλάκα
三角プレート(柔らかい)



Bueplader
Placas en forma de bodega
U-vormige boogplaten
Placas abauladas
Κουρτιρισμένες πλάκες
アーチ形プレート



Platikplader
Placas de plástico
Plastic platen
Placas de plástico
Πλαστικές πλάκες
プラスチックプレート



Kantplade
Placa con rebordes
Flensplaat
Placa con rebordes
Πλάκα με αναστομώνα όρπη
縫付きプレート



Braced girder
Longrine
Streben
Traversa
Dubbelbalk
Sik-sak lista

Trekantet fodplade (med vinkel)
Base triangular con codo
Driehoek voetstuk
Base triangular con canto
Τριγωνική βάση (με γωνία)
三角座(縫付き)

Fladstotte
Soporte llano
Steunstuk
Soporte plano
Επίπεδο στοιχείο από ξύλο
サポート板

Vinkelbeslag på 90 grader (135 grader)
Angulos 90° (135°)
90° (135°) Winkeleisen
Squadra 90° (135°)
Vinkeljarn, 90°
Kulmarauta 90° (135°)

Trunnion
Embalse triang. (coudée)
Winkeldreieck
Base triangolare a gomito
Vinkelkrektan
Kolmion muotoinen kulmarauta

Fishplate
Support plat
Flachstütze
Supporto piatto
Stödjärn
Litteā tukirauto

Angle brackets 90° (135°)
Equerres 90° (135°)
90° (135°) Winkeleisen
Squadra 90° (135°)
Vinkeljarn, 90°
Kulmarauta 90° (135°)

GLOSSARY
LEXIQUE
TEILE-LISTE
LESSICO
DETALJBESKRIVNING
SANAKIRJA
ORDLISTE
NOMENCLATURAS
ONDERDELENLIJST
GLOSSÁRIO
ΓΛΩΣΣΑΡΙ
用語集

MECCANO®

Double brackets
Supports doubles
Doppelstütze
Supporti doppi
Lager/stod, dubbelt
Kaksoistuet



Doppelstörter
Soportes de doble codo
Dubbele steunstukken
Soportes de cantos duplos
Διπλά στοιχεία στριψίες
ダブルサポーント

Reversed angle bracket
Equerre renversée
Doppelwinkel
Squadra capovolta
Dubbeltwinkel
Kaksoisutuettu



Omrevnt vinkel
Angulo doble
Omgekeerde hoekstuk
Duplo angulo
Αντιτροφή γωνία
裏返しコーナー・プレート

Double bent strip
Cavalier
Flachwinkel
Cavaliere
Lagerbock
Kaksoistaivutettu lista



U-formet element
Caballete
Dubbelgebeden strook
Cavalete
Διχαλωτός συνδετήρος
ステープル

Corner bracket
Petit gousset d'assemblage
Kleiner eckwinkel
Piccolo raccordo d'assemblaggio
Hörnforstarkning
Kulmatuki



Hjørnestivor
Vaina para ensamblar
Driehoeksteen
Triángulo de unión
Αγκώνας σύνδεσης
小カセットプレート

Axle rod
Tringle
Stange
Barra
Axel
Akseli/tanko



Stang
Varilla
As
Barra
Mtnro
トライアングル

Crank handle
Manivelle
Kurbel
Manovella
Vev
Kampi



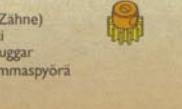
Håndsving
Manivela
Slinger
Manivela
Μανιβέλα
クランク

Rod and strip connector
Raccord tringle (et bande)
Band und Stangenkupplung
Raccordo barra (e banda)
Axel och balkanslutning
Tangon ja listan liitin



Stangforbindelse (og element)
Varilla de emplame (y banda)
Åskoppeling
Terminal et peça conectora
Raxóp μπάρα (και διατρητικό στοιχείο)
トライアングルの鍵手 (またはプレート)

Pinion 19 teeth
Pignon 19 dents
Getrieberad (19 Zähne)
Pignoni a 19 denti
Pinjondgrev, 19 kugar
19 hamppainen hammaspypöri



Tandhjul med 19 tænder
Piñón de 19 dientes
Tandwei mit 19 tanden
Pinhão de 19 dentes
Πινόν με 19 δόντια
19歯ビニオン

Gear wheel 57 teeth
Roues 57 dents
Getrieberad 57 Zahne
Ruota a 57 denti
Kugghjul, 57 kugar
57 hamppainen hammaspypöri



Hjul med 57 tænder
Rueda de 57 dientes
Tandwiel mit 57 tanden
Roda de 57 dentes
Τροχός με 57 δόντια
57歯車

Contrate wheel
Roue de chant
Flachrolle
Ruota di taglio
Vinkelkugghjul
Laakes hammaspypöri



Fladhjul
Rueda con canto
Riemshiffl
Roda de encontro
Τροχός
中車

Worm
Vis sans fin
Schnecke
Vite senza fine
Snackräv
Simpukkypyöri



Skrue uden ende
Tornillo de rosca sin fin
Wormwiel
Parafuso de rosca sem fim
Ατέρμων κοχλιάς
ワーム

Bush wheel
Roue à barillet
Federrolle
Ruota a tamburo
Montagehjul
Jousipyöri



Fjederhjul
Rueda con cilindros
Naafbuswiel
Roda com cilindros
Διπλός
シリンダー車輪

Puleys
Poules
Rollen
Puleggje
Remsksiva
Hihnapyöri



Remskeive
Poles
Riemschijven
Roldenes
Τροχοί
軸輪

Driving band
Courroie
Zahnriemen
Cinghia
Drivbälte
Vetohihna



Rem
Correa
Driehiem
Correia
ιανήσια
ベルト

Set collar
Bague d'arrêt
Halterung
Anello di sicurezza
I stoppring
Turvakirka



Stopring
Anilla de parada
Kraag met stelschroef
Anilha de travamento
Περικοπή
止めリング

Spring clip
Clavette
Steckhalterung
Chiavetta
Stoppklammer
Jousiprikka



Kile
Clavija
Veerclips
Cavilha
Käm
キ一

Washers
Rondelles
Lochscheiben
Rondelle
Brickor
Prikoja



Flade ringe
Arandelas
Onderlegringen
Anilhas
Ροδέλες
座全

Spacer
Entretoise
Steg
Briglia di collegamento
Distanshylla
Väliholki



Mellomstykke
Codal
Dwarsstukken
Espaciador
Συνοχέας
セバレータ

Compression spring
Ressort de compression
Druckfeder
Molla di compressione
Tryckfjäder
Puristusjousi



Trykfjedder
Muelle de compresión
Druckveer
Mola de compresión
Πετσικό ελατήριο
圧縮コイルはね

Tension spring
Ressort de traction
Zugfeder
Molla di trazione
Dragsfjäder
Vetojousi



Trækfjeder
Muelle de tracción
Trekkveer
Mola de tracciō
Ελατηρίο έλλειψης
引張りコイルはね

Screwed rod
Tige filetee
Gewindestange
Asta filettata
Gändad axel
Tanko kiertellä



Gevindstang
Varilla marcada de rosca
Schroefstang
Eixo com rosca
δοχιλιώτος οδονούος
ねじ棒

Threaded peg
Cheville filetée
Gewindestift
Perno filetato
Gängt stift
Kierrepultti



Gevindstift
Clavija marcada de rosca
Schroefpin
Perno com rosca
Κοχλιώτος πειρός
ねじピン

Stud bolt
Boulon pivot
Zapfenschraube
Bullo permo
Stödbult
Nuppillinen kierrepulitti



Tapskrue
Pivot
Bout met kop
Parafuso pivot
Μπουλόνι
ビボット・ボルト

Scrub (hovedlös)
Tornillo (sin cabeza)
Verzinkten schroef
Parafuso sem cabeça
Βίδο χωρίς κεφαλή (無頭) ねじ



Firkantet motrik
Tuerca cuadrada
Vierkante moer
Porca quadrada
Τετράγυρη ποτημούδι
角形ナット

Square nut
Ecrou carré
Vierkantmutter
Dado quadrato
Fyrkantmutter
Mutteri



Motriknegle
Liave para tuercas
Sleutel voor moer
Chave de porcas
Κλείδι για ποτημούδι
レンチ

Open ended spanner
Clé pour écrou
Schraubenschlüssel
Chiave per dado
Mutternnyckel
Kiristysavain



Motriknegle
Liave para tuornillar de 6 caras
Inbussleutel
Chave sextavada
Κλείδι για ποτημούδι
レンチ

Allen keys
Clé 6 pans
Sechsantschlüssel
Chiave per dadi esagonali
Sexkantriyckel
Kuusikirka



Seksantkey nogle
Liave para tornillar de 6 caras
Inbussleutel
Chave sextavada
Κλείδι για ποτημούδι
レンチ