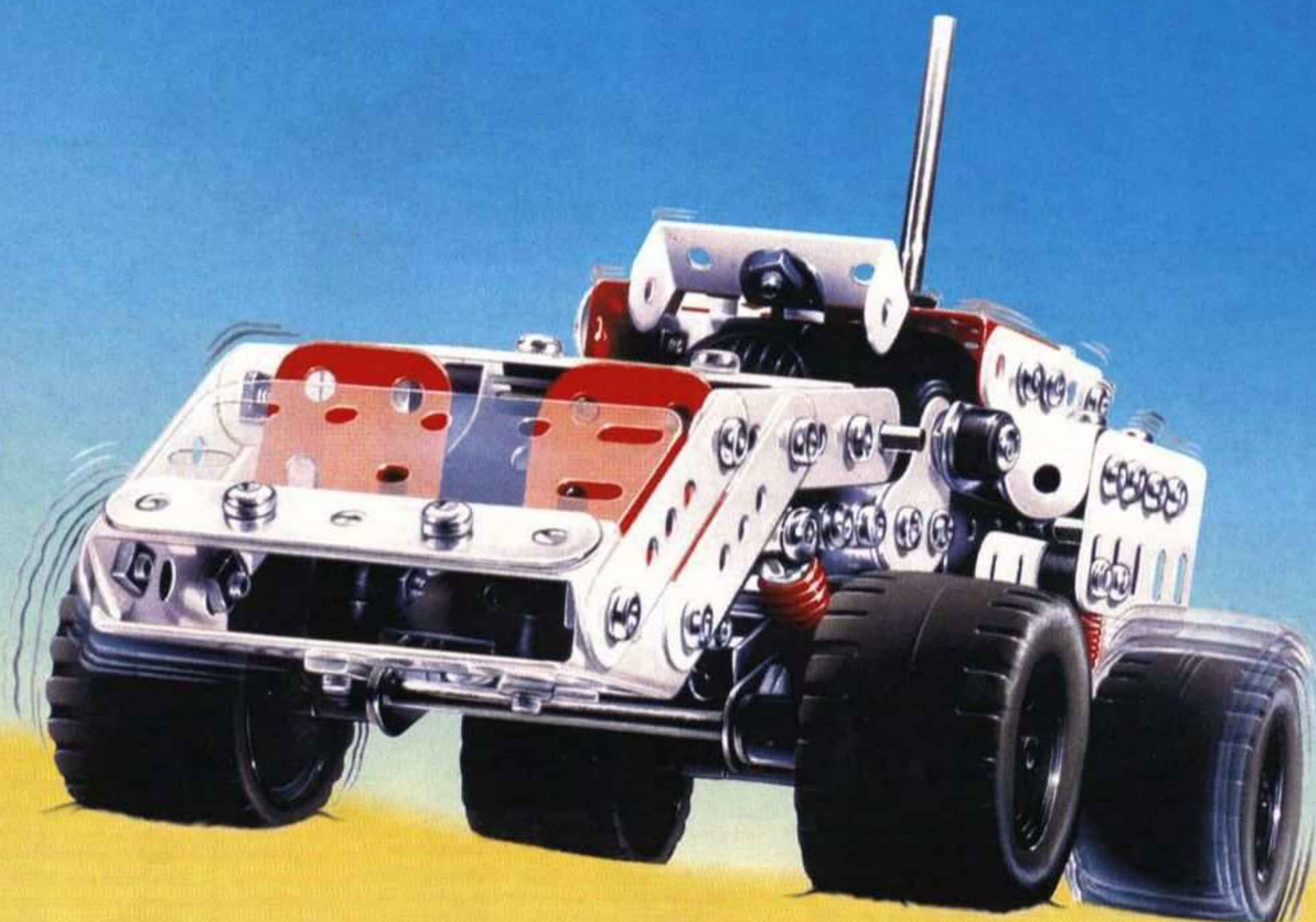
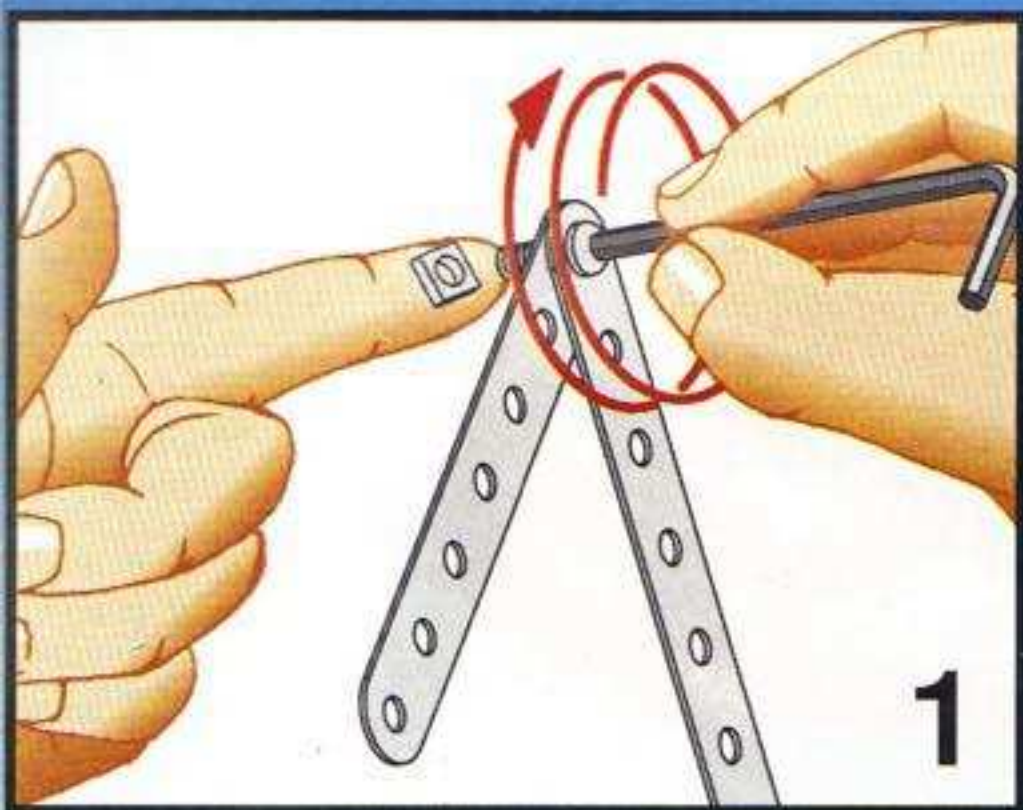


MECCANO®

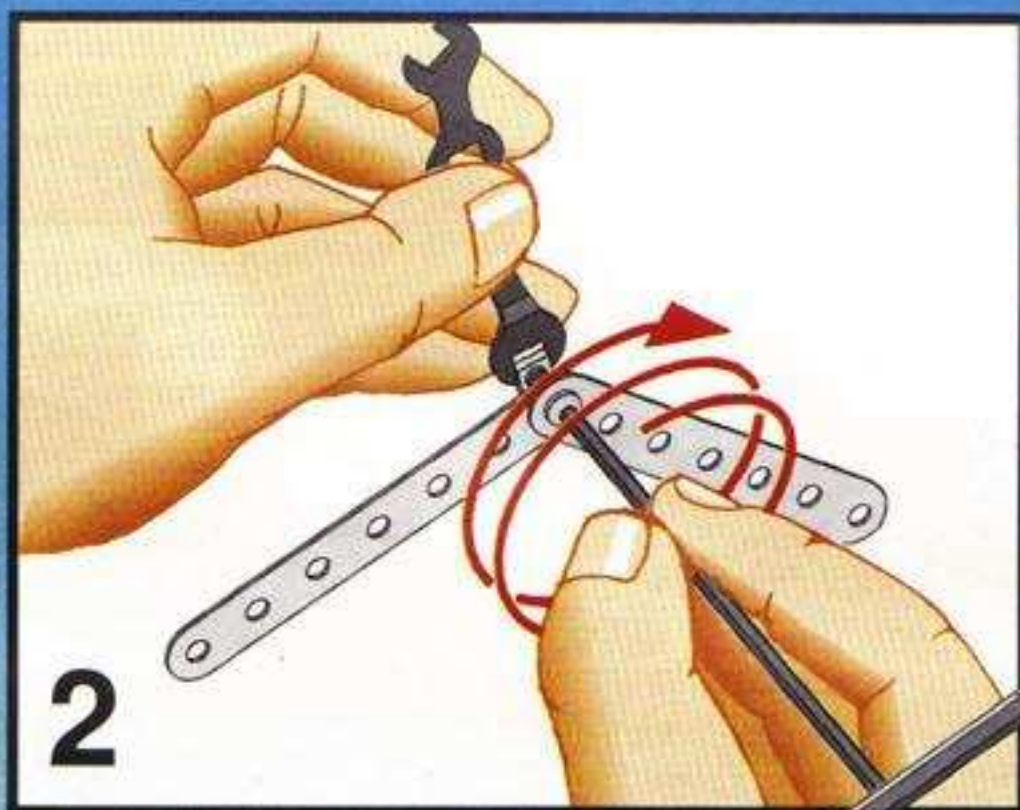


DYNAMIC

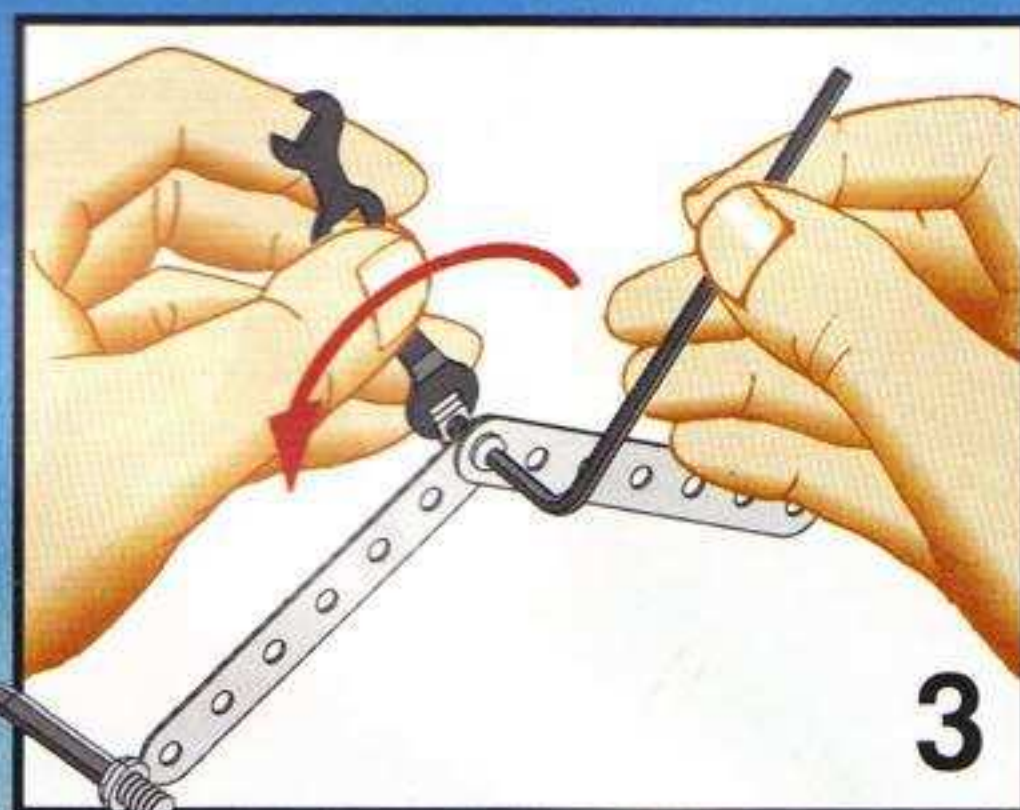
4065



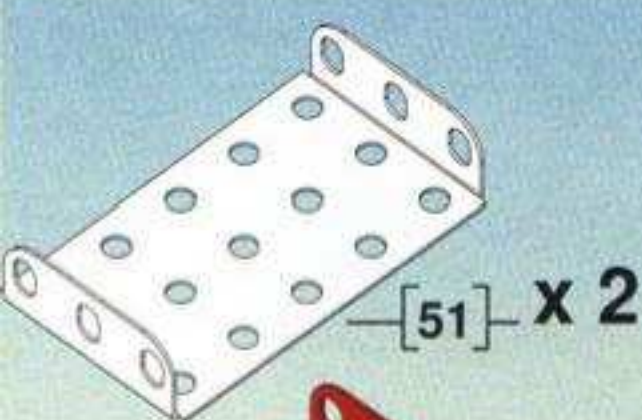
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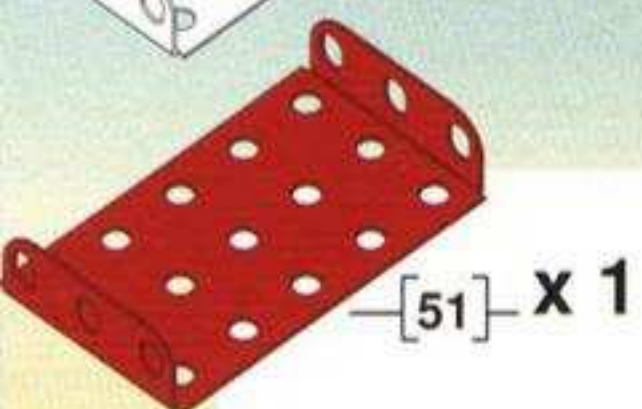
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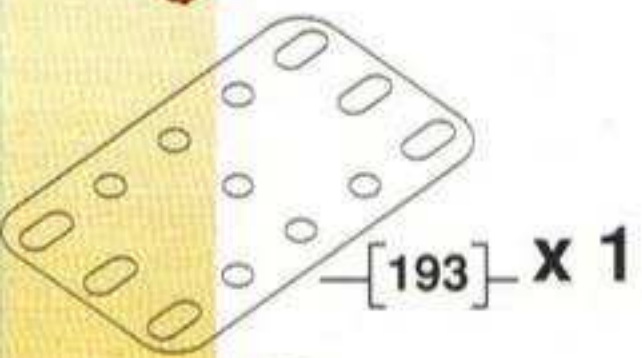
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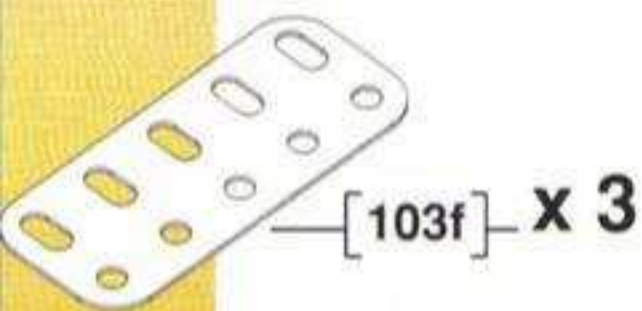
[51] x 2



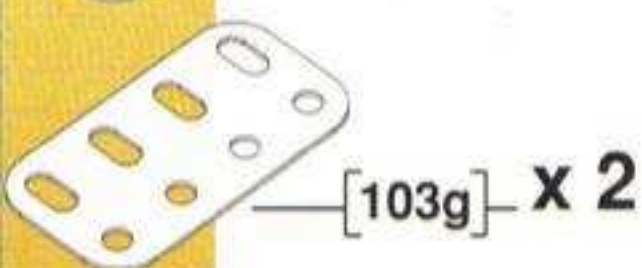
[51] x 1



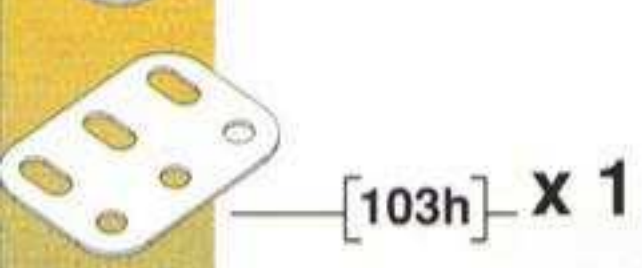
[193] x 1



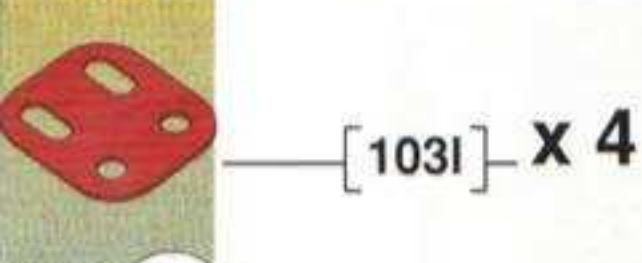
[103f] x 3



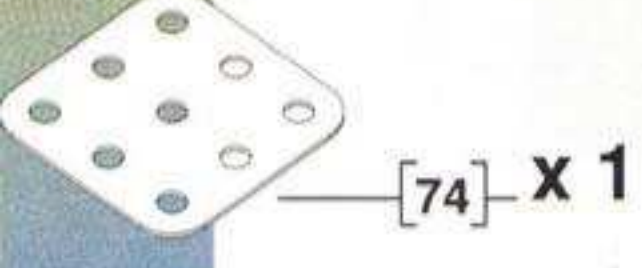
[103g] x 2



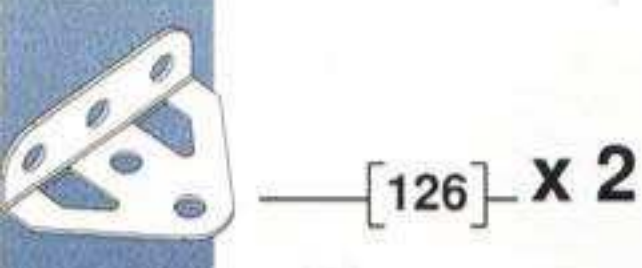
[103h] x 1



[103i] x 4



[74] x 1



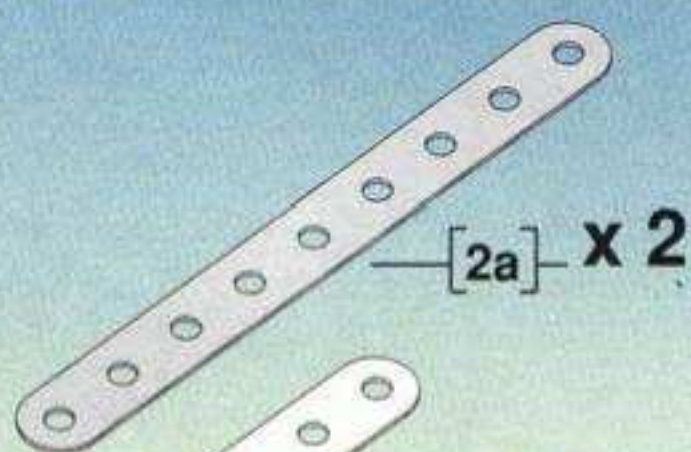
[126] x 2



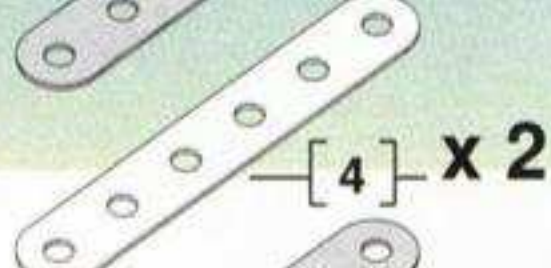
[48a] x 5



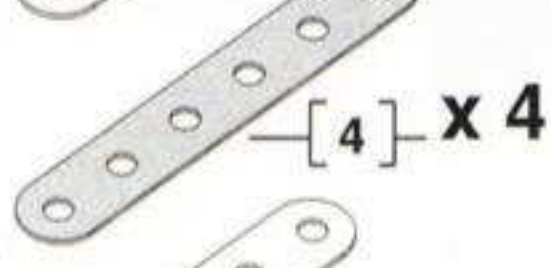
[46a] x 2



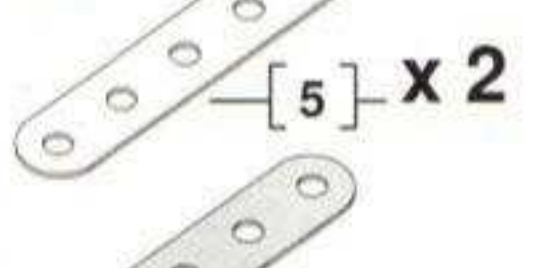
[2a] x 2



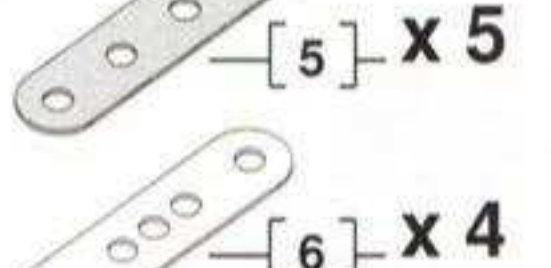
[4] x 2



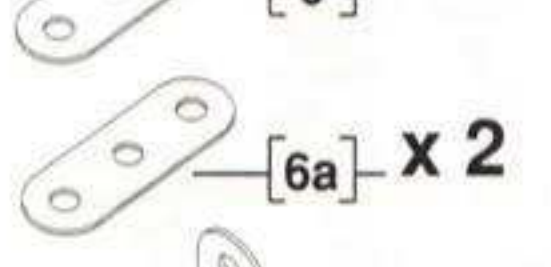
[4] x 4



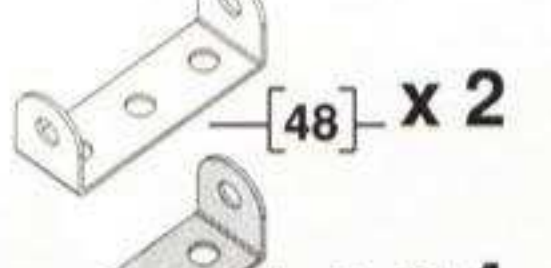
[5] x 2



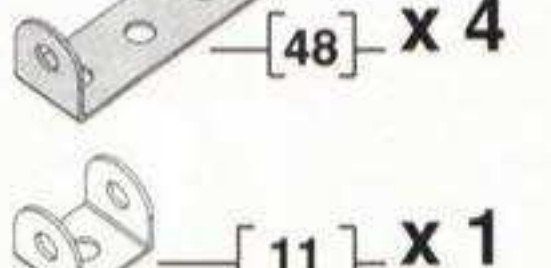
[5] x 5



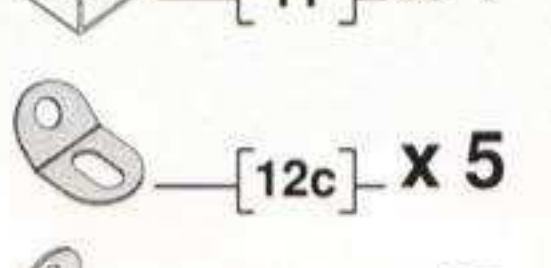
[6] x 4



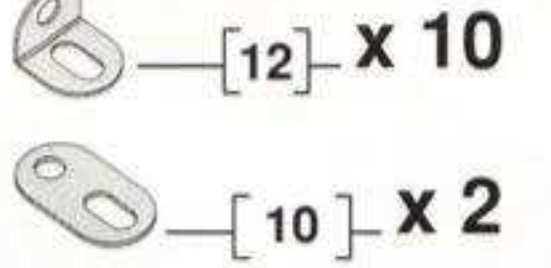
[6a] x 2



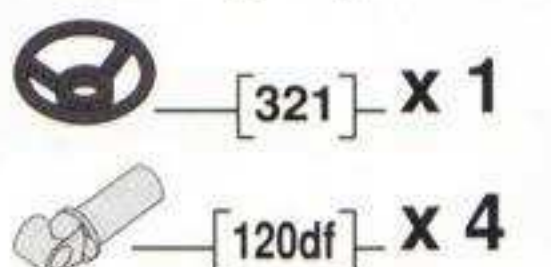
[48] x 2



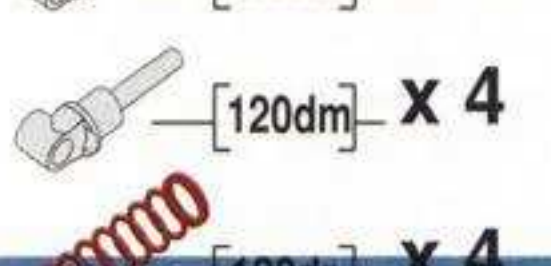
[48] x 4



[11] x 1



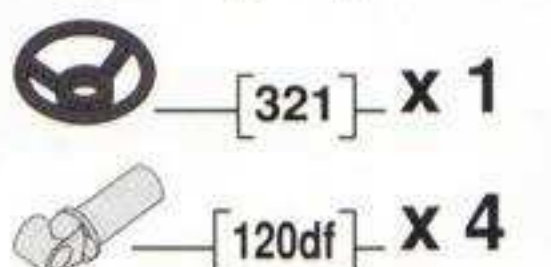
[12c] x 5



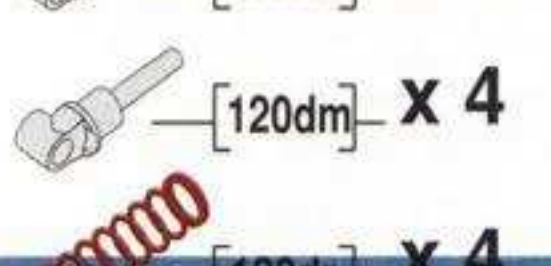
[12] x 10



[10] x 2



[321] x 1



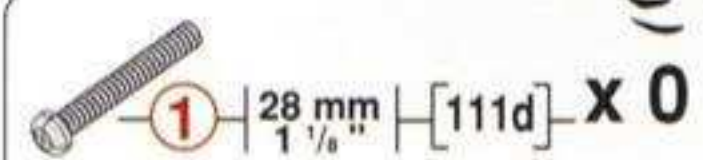
[120df] x 4



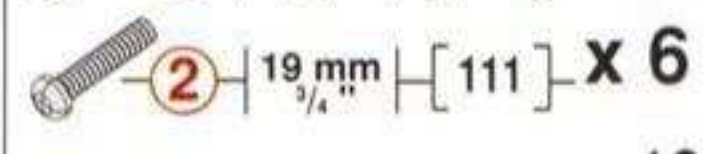
[120dm] x 4



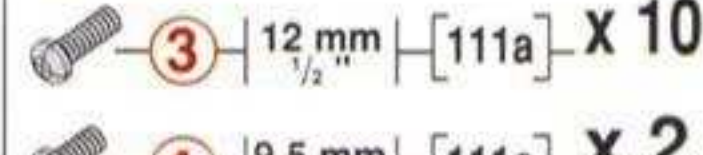
[120dr] x 4



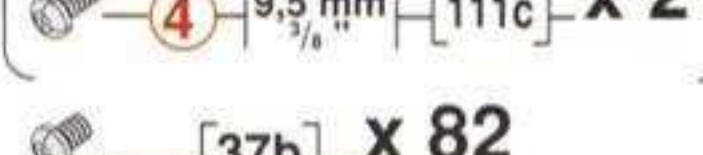
[1] 28 mm [111d] x 0



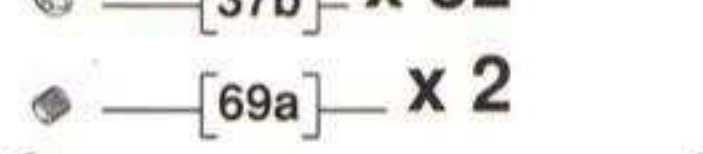
[2] 19 mm [111] x 6



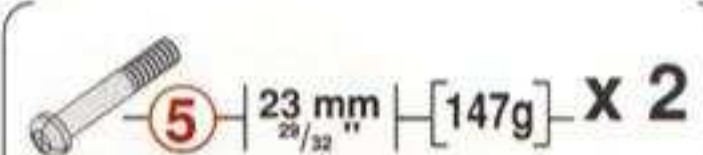
[3] 12 mm [111a] x 10



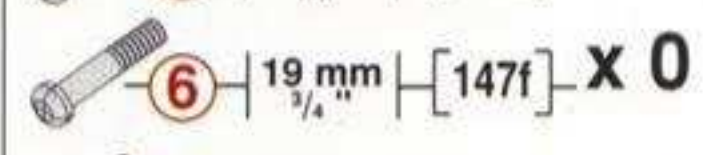
[4] 9,5 mm [111c] x 2



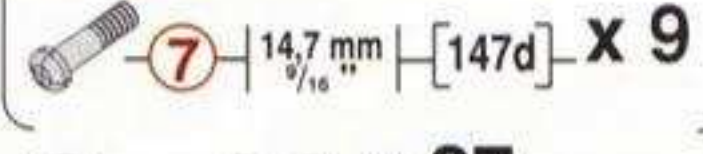
[37b] x 82



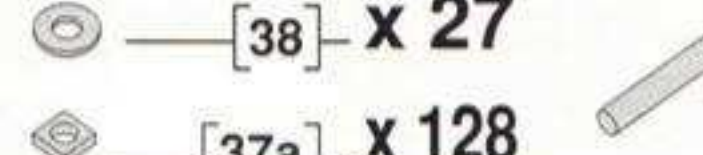
[69a] x 2



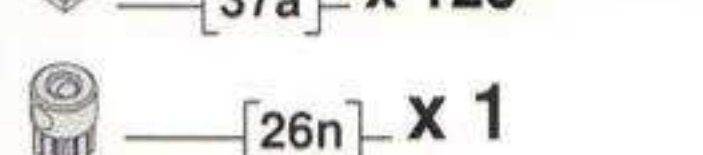
[5] 23 mm [147g] x 2



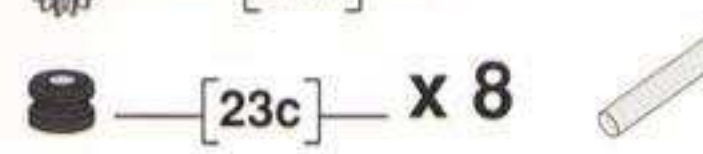
[6] 19 mm [147f] x 0



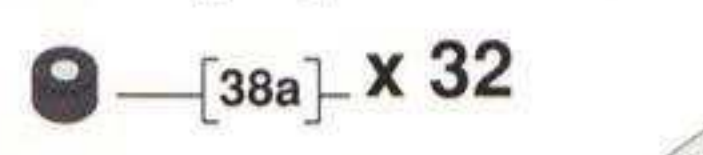
[7] 14,7 mm [147d] x 9



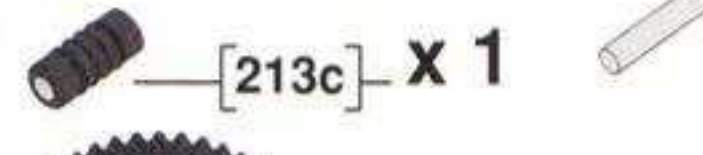
[38] x 27



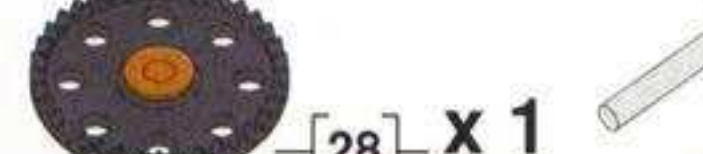
[37a] x 128



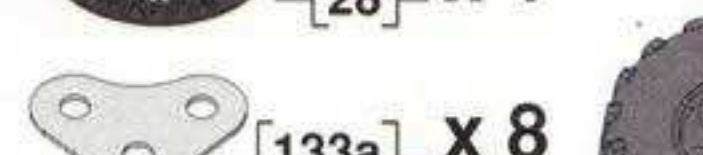
[26n] x 1



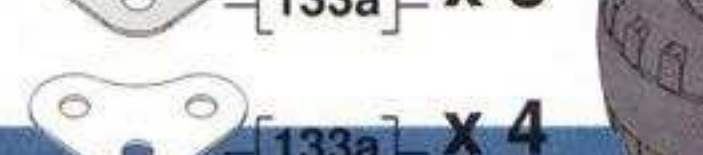
[23c] x 8



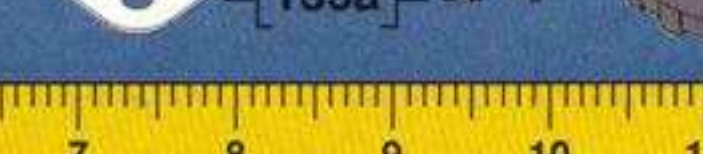
[38a] x 32



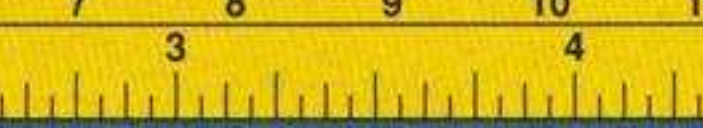
[213c] x 1



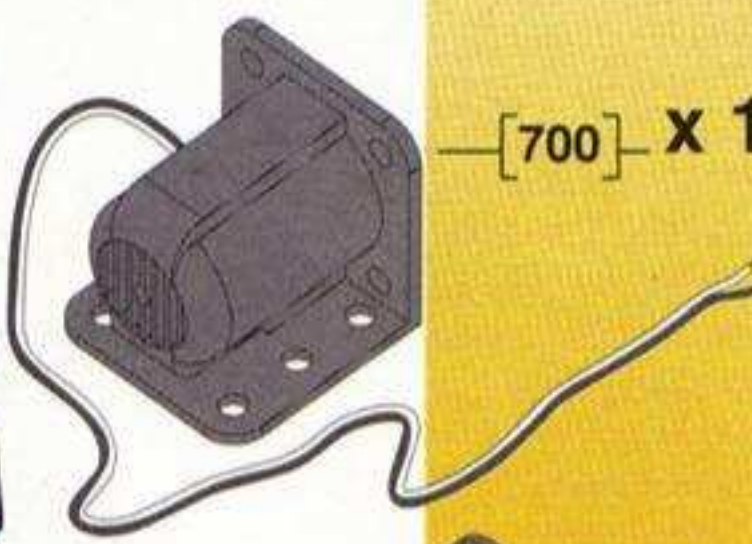
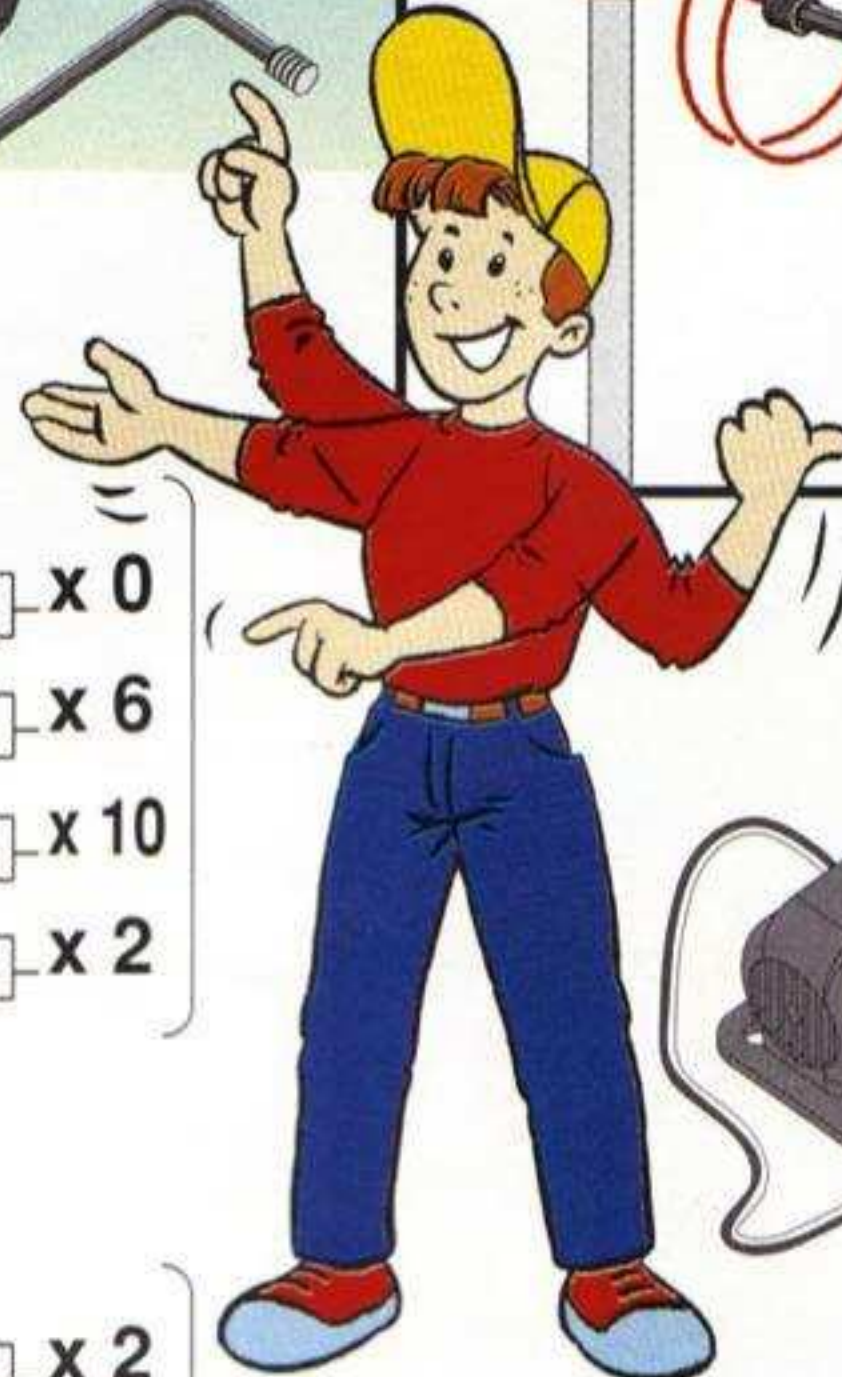
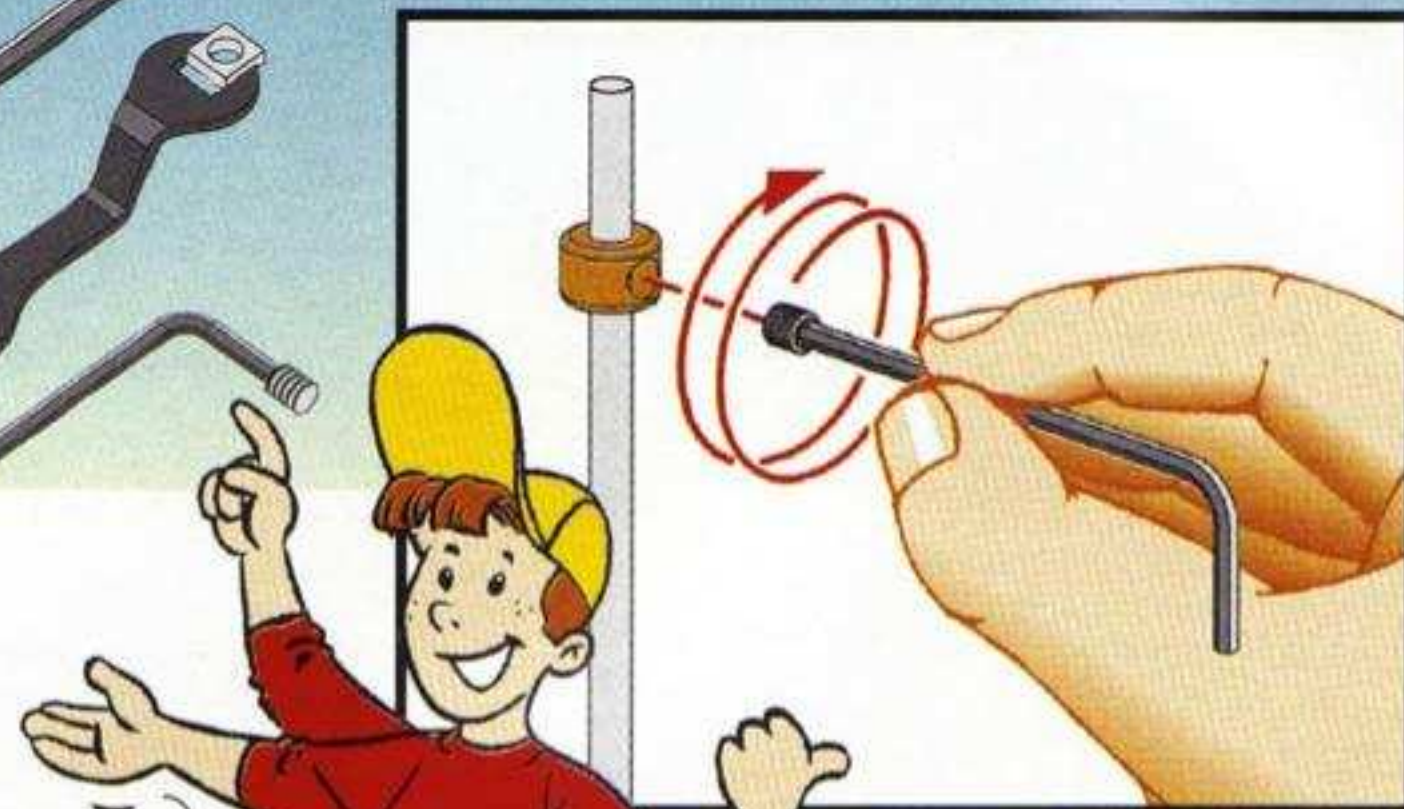
[28] x 1



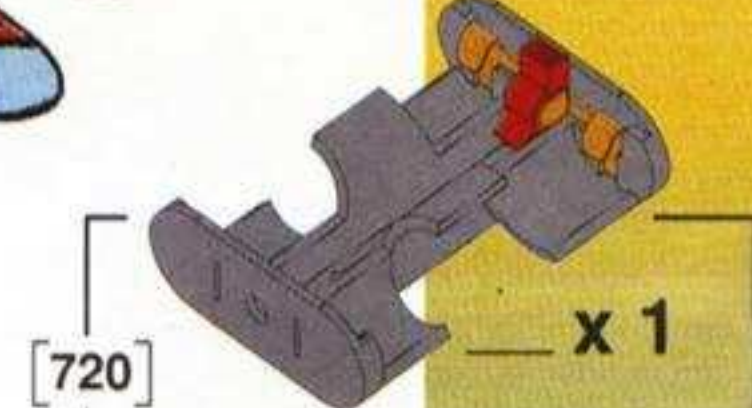
[133a] x 8



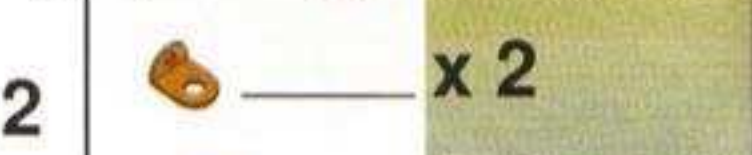
[133a] x 4



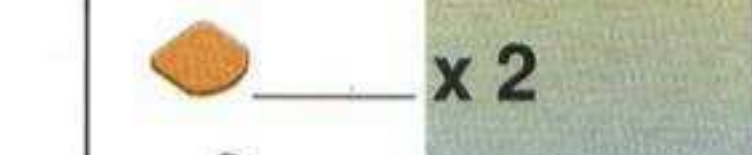
[700] x 1



[720] x 1



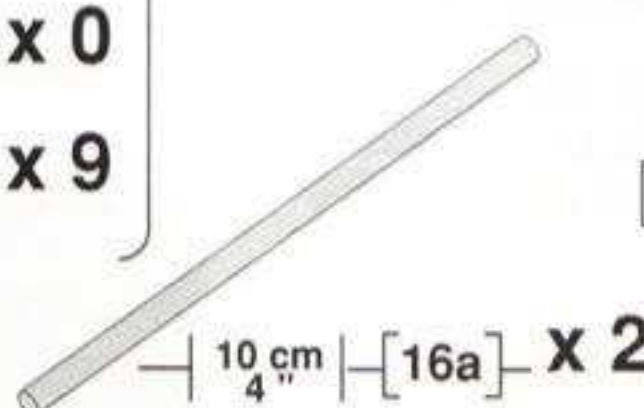
[720] x 2



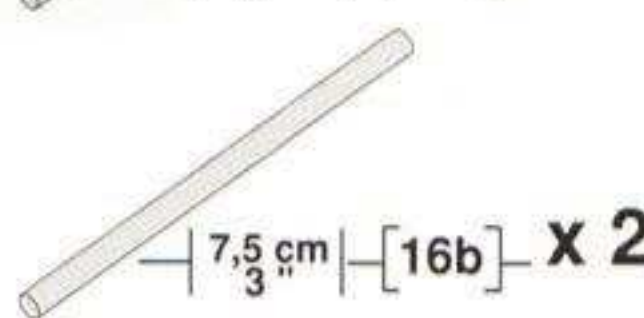
[720] x 2



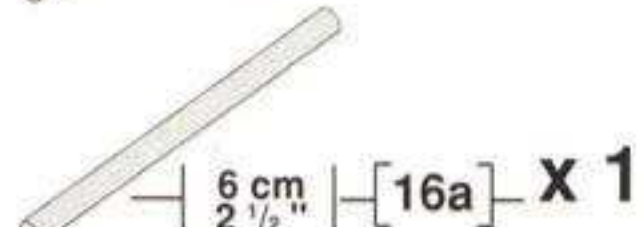
[720] x 1



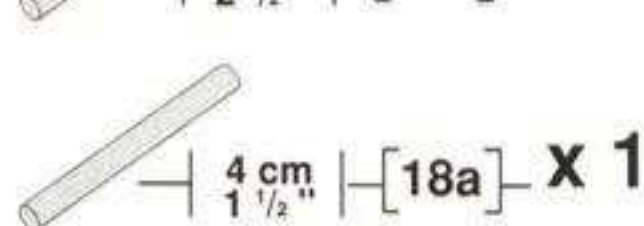
[16a] x 2



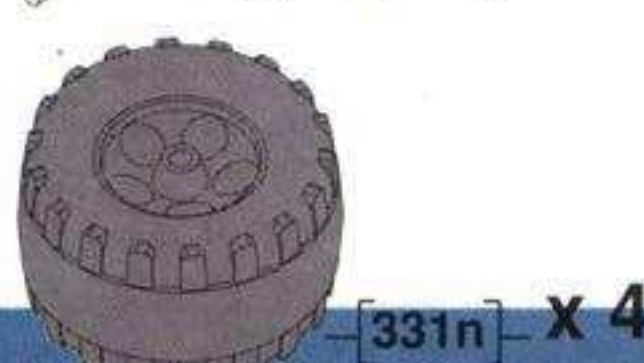
[16b] x 2



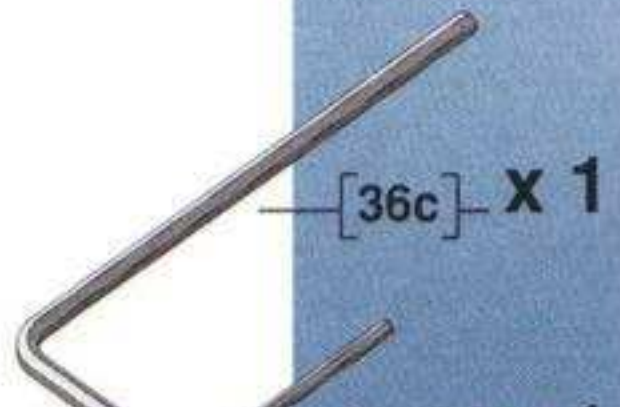
[16a] x 1



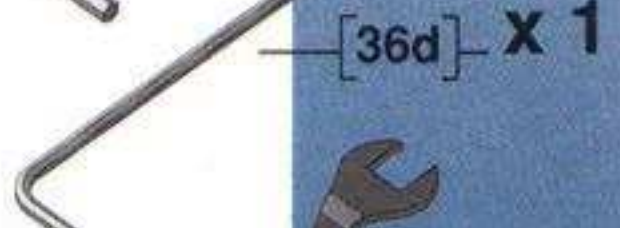
[18a] x 1



[331n] x 4



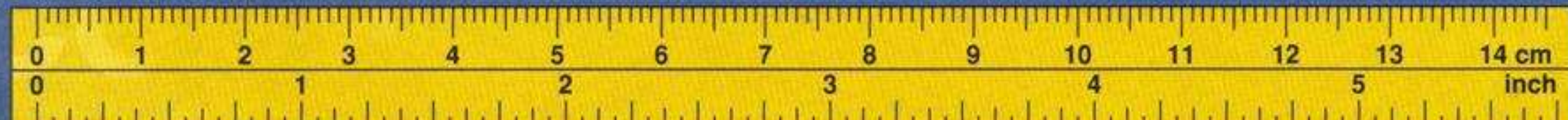
[36c] x 1



[36d] x 1

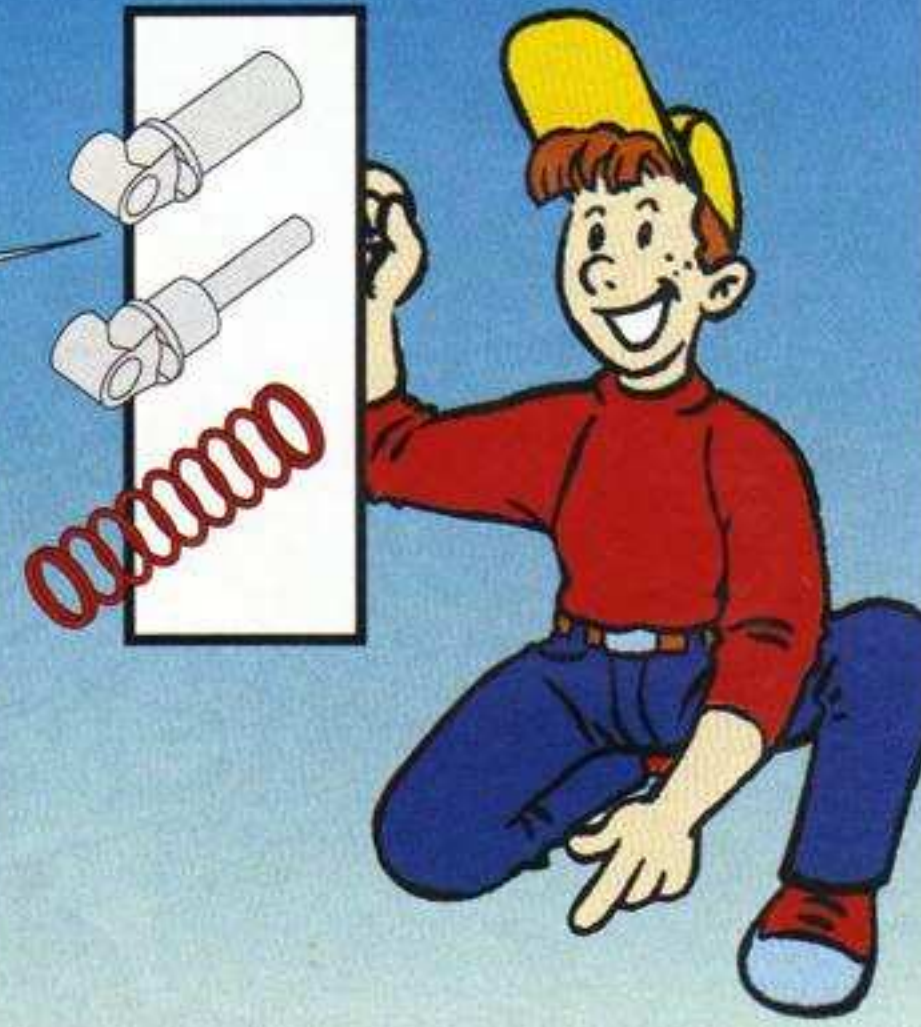
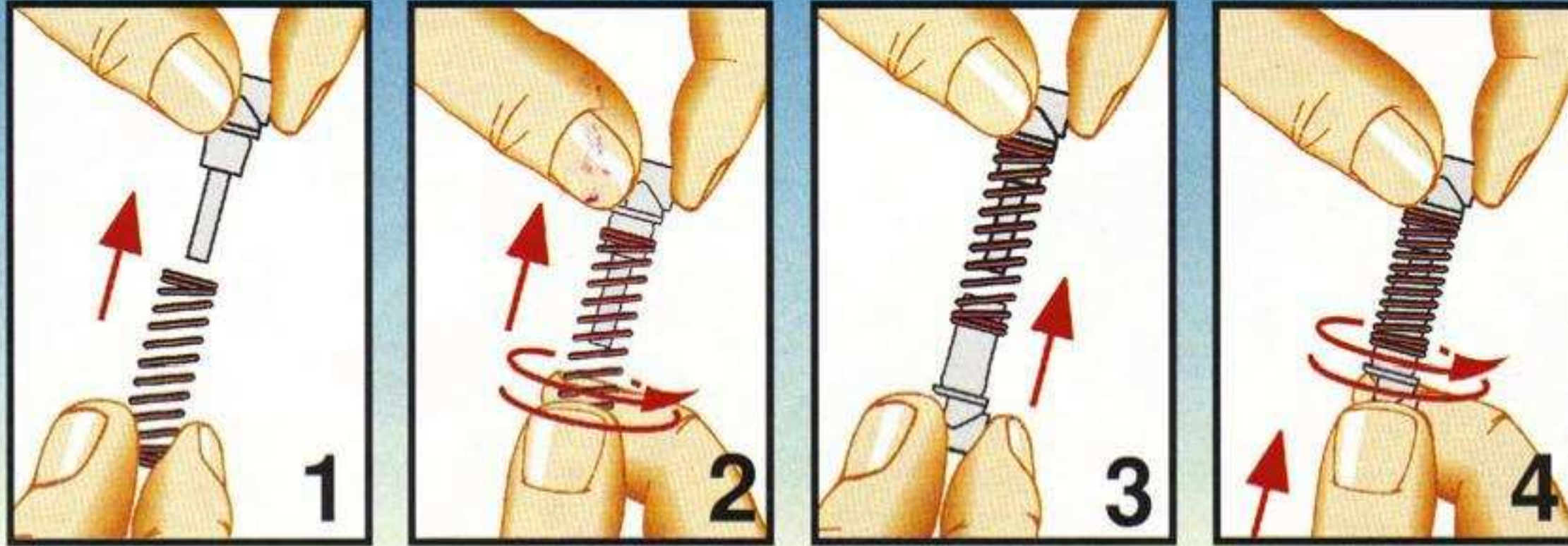


[34] x 1

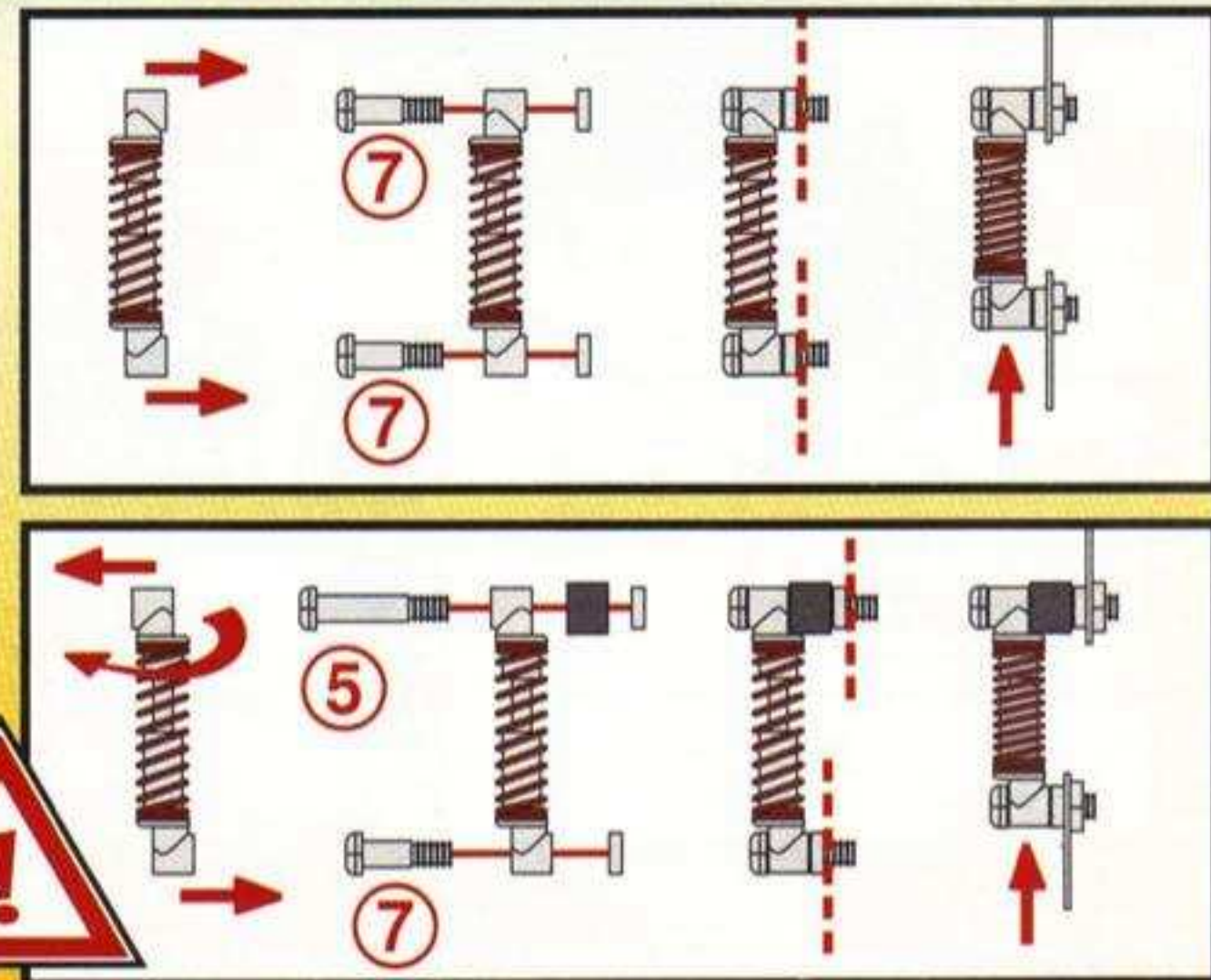


- (GB) Assemble the shock absorbers
(F) Assemble les amortisseurs
(D) Die Stossdämpfer zusammenbauen
(I) Assemblaggio degli ammortizzatori
(S) Monteringsats till stötdämpare
(SF) Kokoa iskunvaimentajat

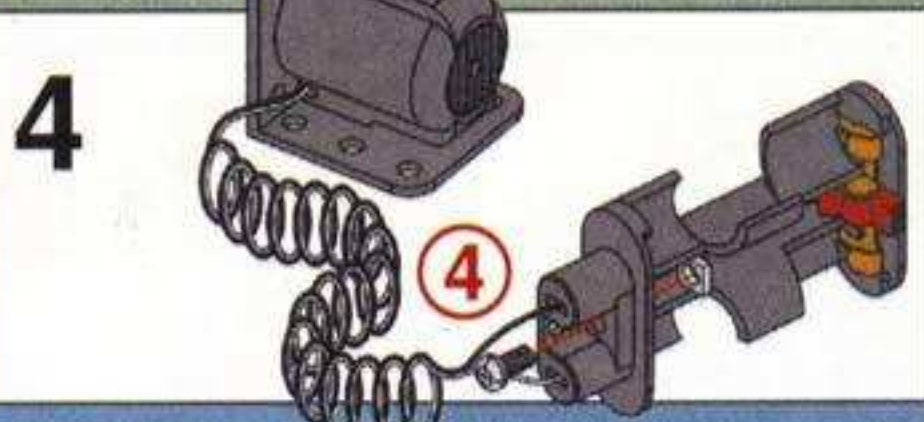
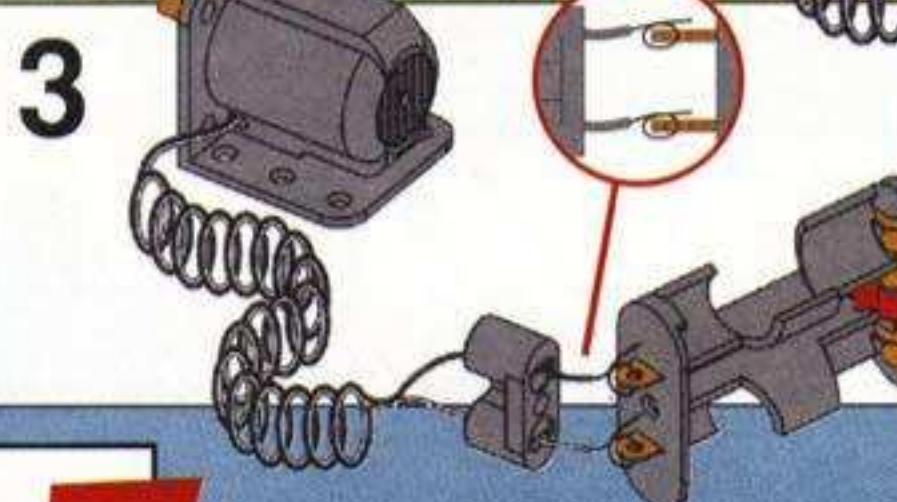
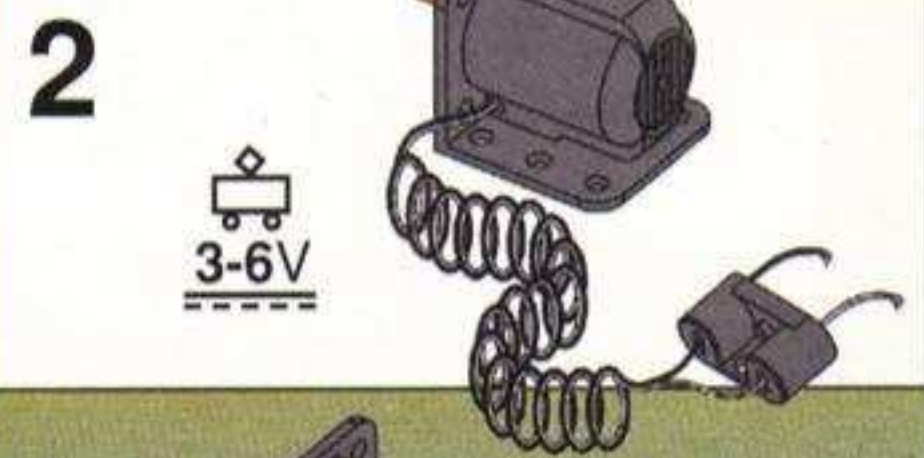
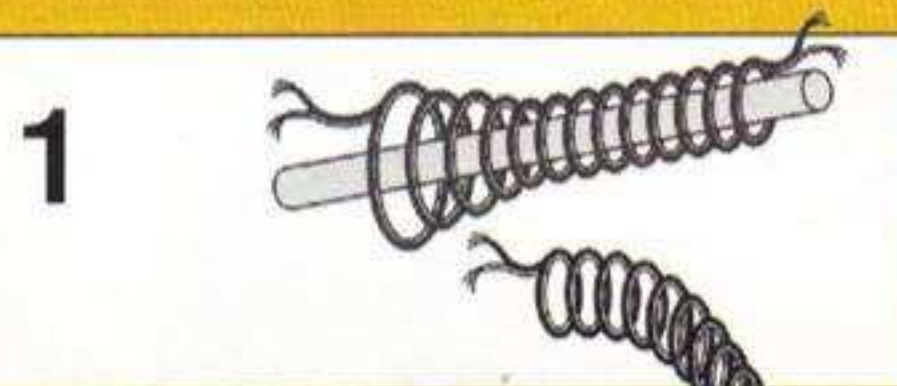
- (DK) Forbinder fjedrene
(E) Ensamblar los amortiguadores
(NL) Zet de schokbrekers in elkaar
(P) Montar os amortecedores
(GR) Συναρμολόγησε τα αμορτισέρ
(JPN) ショックアブソーバーを組み立てよう。



- (GB) Construction principles
(F) Principes de montage
(D) Grundlagen für den Zusammenbau
(I) Istruzioni di montaggio
(S) Så här bygger du
(SF) Kokoamisen periaatteet
(DK) Monteringsprincipper
(E) Principios de montaje
(NL) De grondbeginselen van het bouwen
(P) Regras de montagem
(GR) Αρχές συναρμολόγησης
(JPN) 組立方法

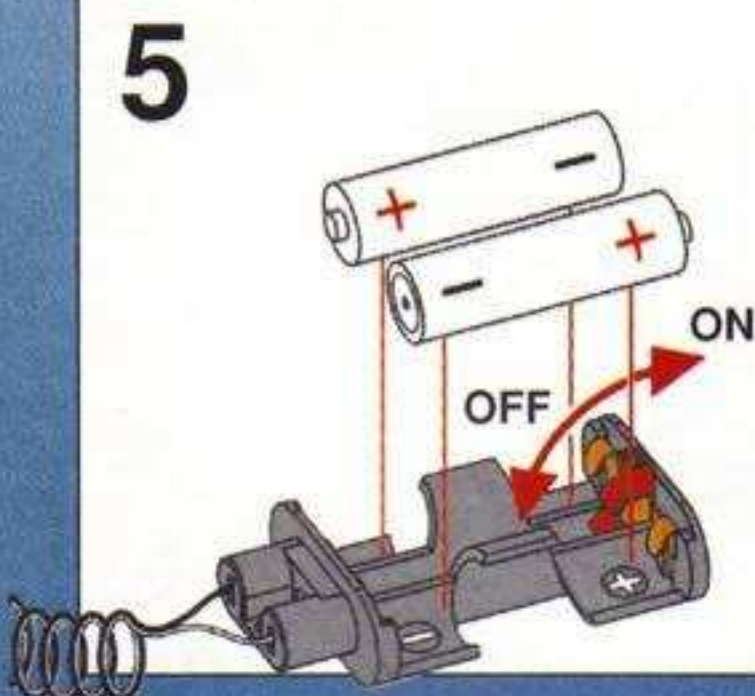


- (GB) Motor and electric connection
(F) Moteur et branchement électrique
(D) Motor und elektrische Verbindung
(I) Motore e collegamento elettrico
(S) Anslutning av ström till motorn
(SF) Moottori ja sähkökytkennät
(DK) Elektrisk motor og tilslutning
(E) Motor y conexión eléctrica
(NL) Motor en de elektrische aansluiting
(P) Motor e ligação eléctrica
(GR) Κινητήρας και ηλεκτρική σύνδεση
(JPN) モーターと電気接続

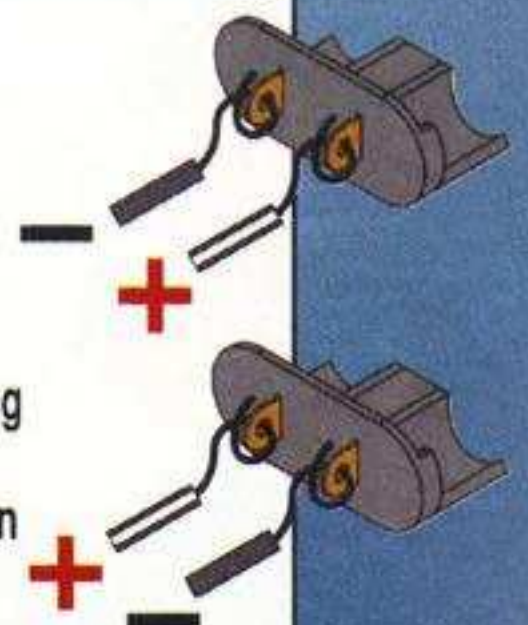


Caution
Attention
Achtung
Attenzione
Varning
Huomio
Pas på
Atención
Waarschuwing
Atenção
ΠΡΟΣΟΧΗ
注意

R6
MIGNON X 2
AM3



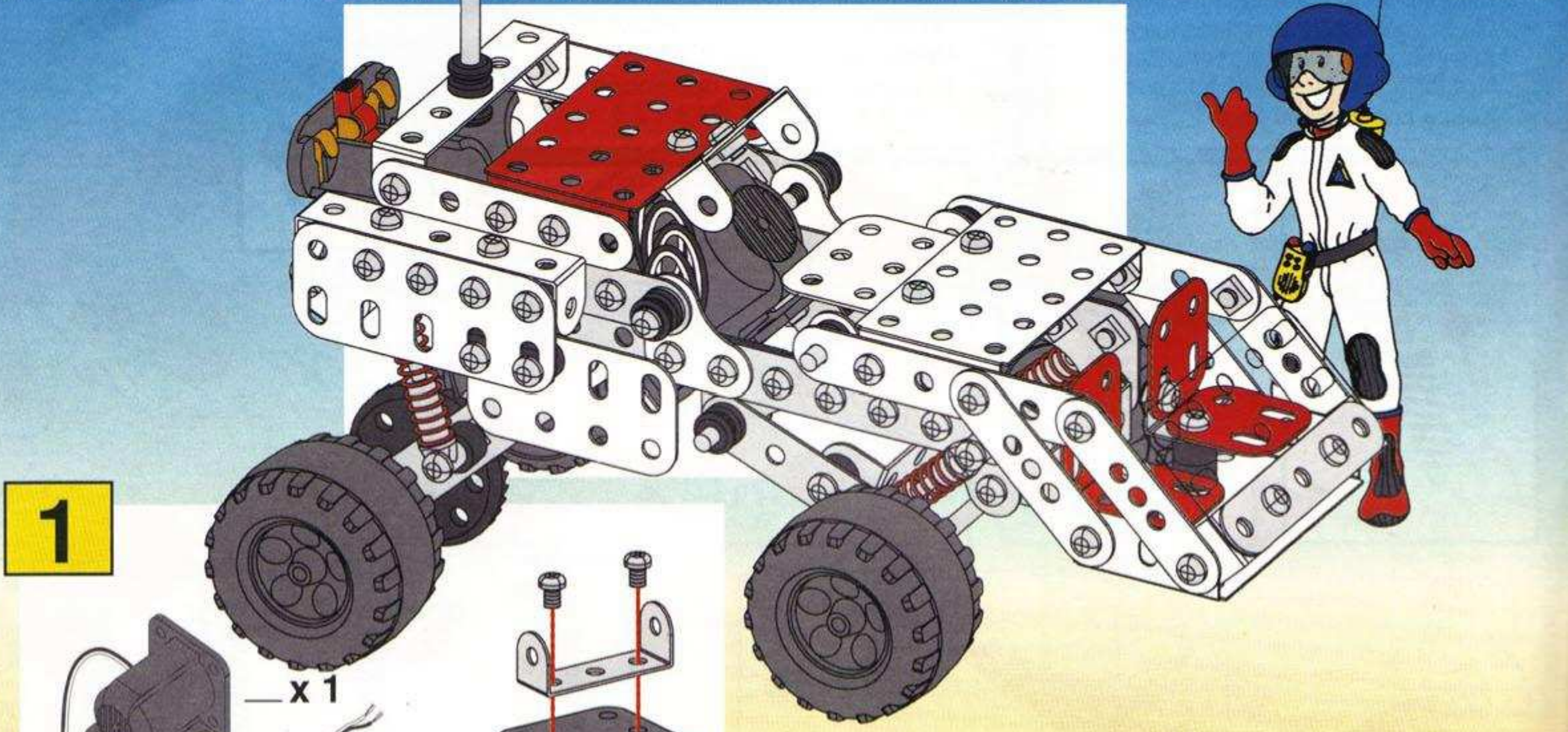
- (GB) How to reverse the rotation of the motor
(F) Comment inverser le sens de rotation du moteur
(D) So ändert man die Drehrichtung des Motors
(I) Come invertire il senso di rotazione del motore
(S) Så här växlar du mellan fram och back
(SF) Kuinka muutetaan moottorin pyörimissuunta
(DK) Hvordan instilles motorens rotation til modsat retning
(E) Como invertir la rotación del motor
(NL) Hoe kun je omwentelingen van de motor wisselen
(P) Como inverter a rotação do motor
(GR) Αντιστροφή της κατεύθυνσης περιστροφής του κινητήρα
(JPN) モーターの回転方向を逆にするには



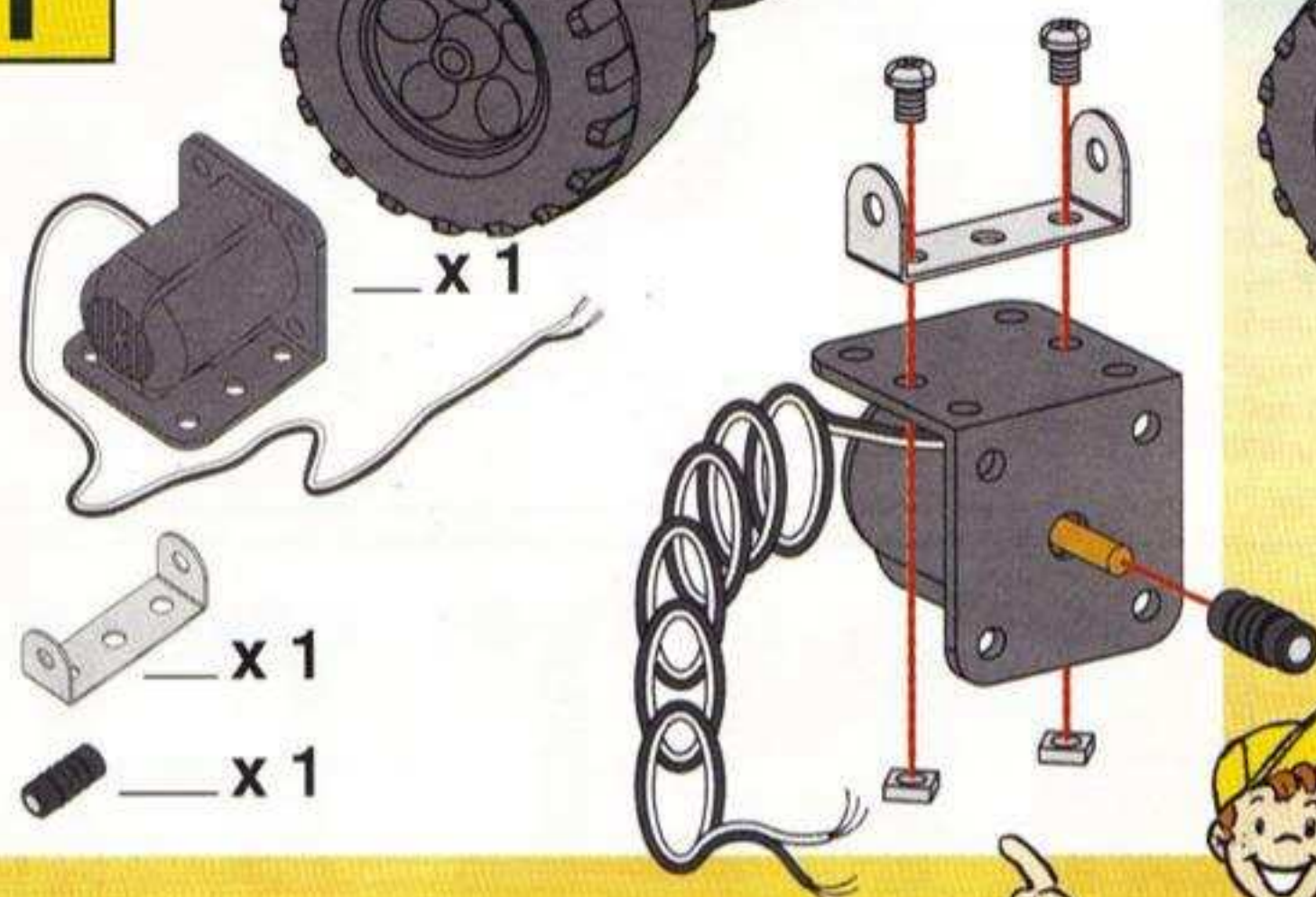
I : MECCANO non si assume alcuna responsabilità qualora le istruzioni non vengano seguite, le parti componenti vengano impiegate in modo diverso da quanto illustrato o siano state modificate per usi differenti dal montaggio dei modelli MECCANO.

S : MECCANO kan ej ta ansvar för något da instruktionerna ej har följts, da delar har använts till annat än vad instruktionerna anvisat eller att delarna har blivit modifierade till annan användning.

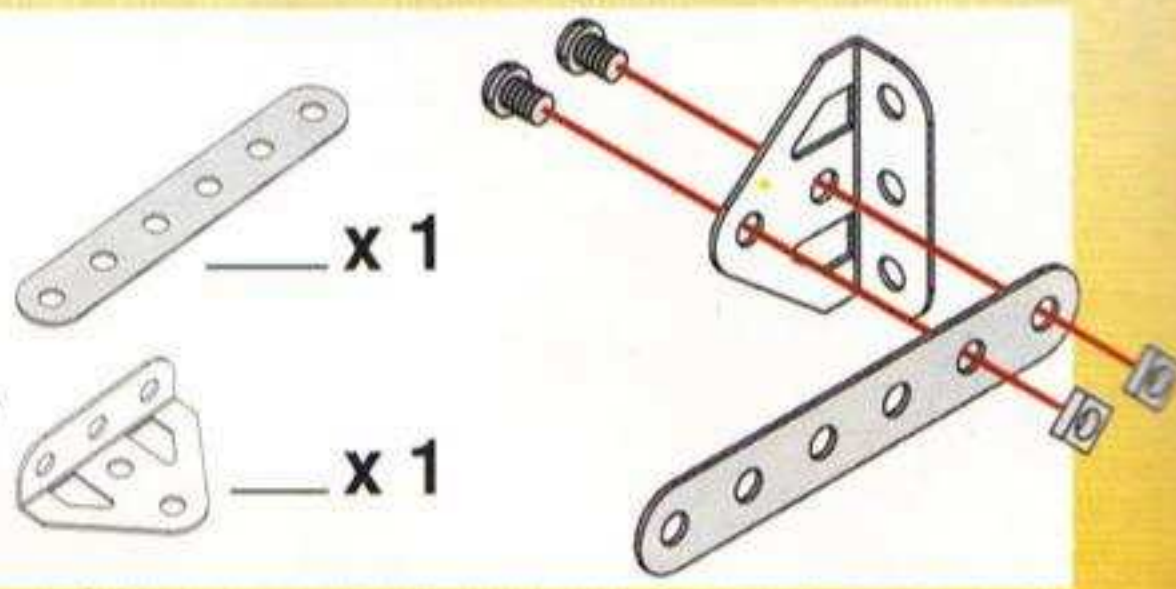
SF : MECCANO ei ota vastuuta, jos osia on käytetty muuhun kuin ohjeiden suosittelemaan käyttötarkoitukseen tai jos osia on itse muutettu.



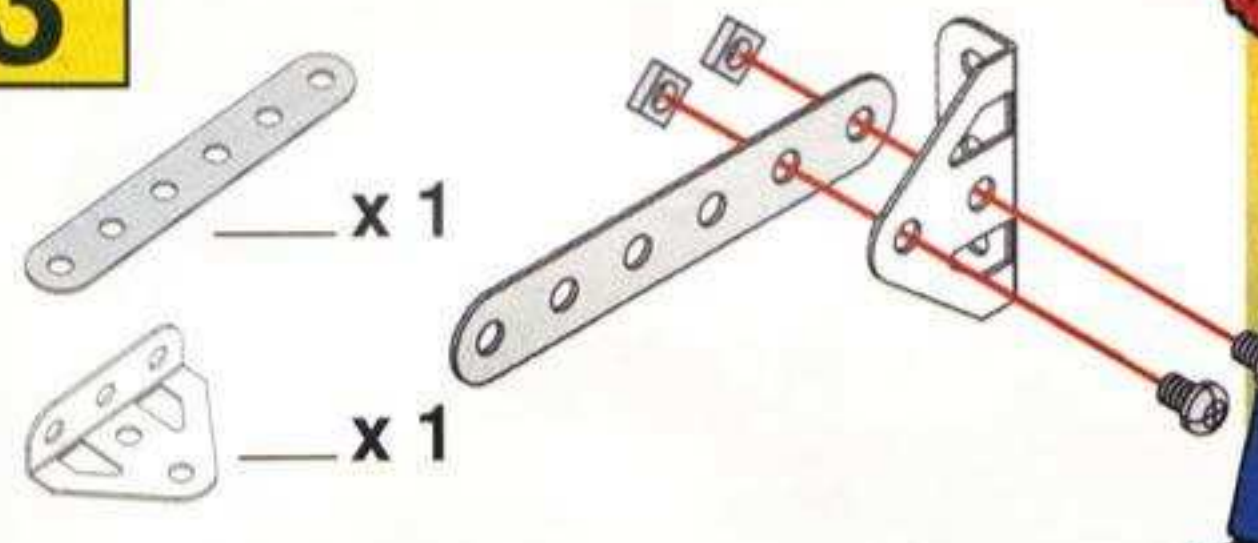
1



2



3



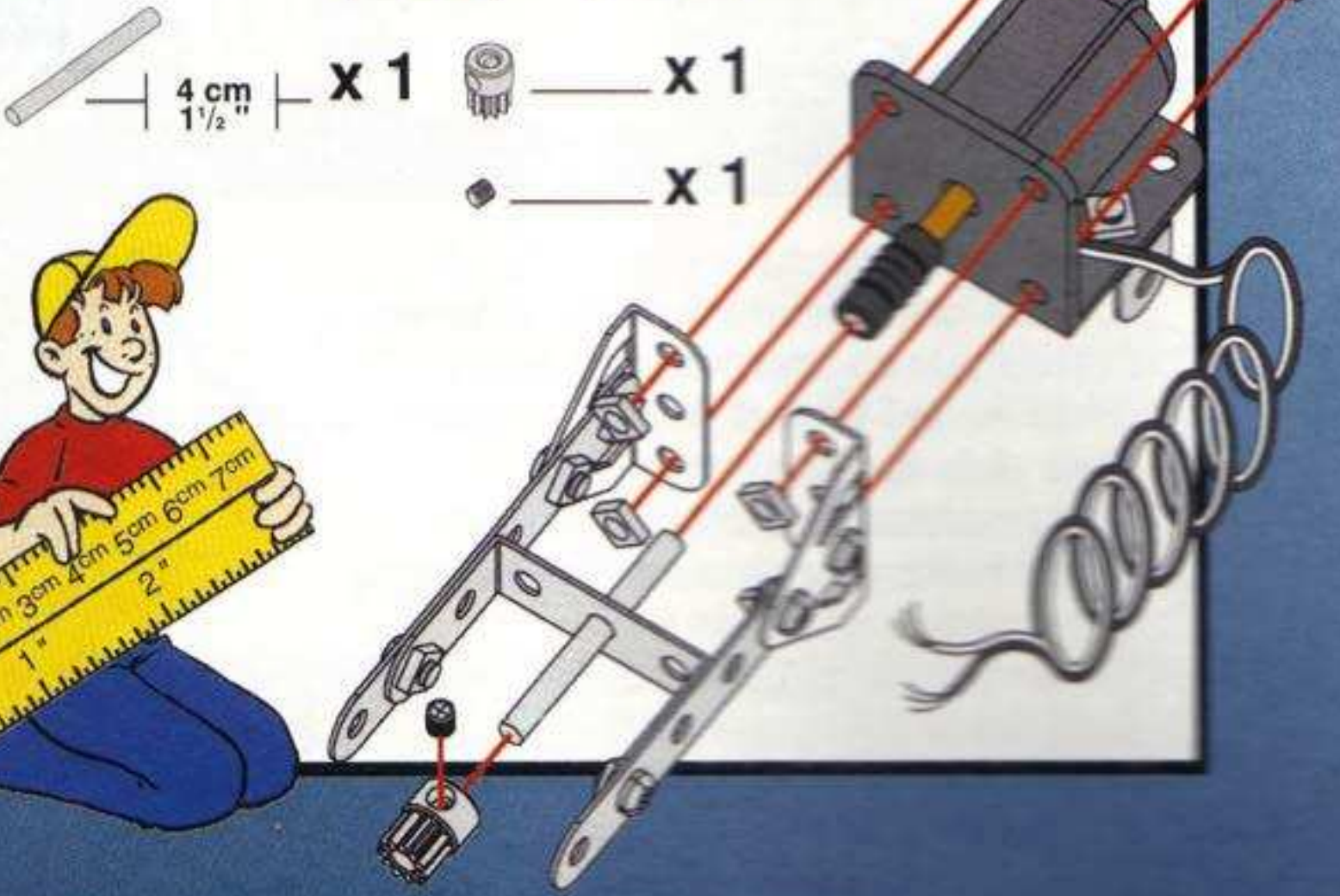
4

2 + 3 +

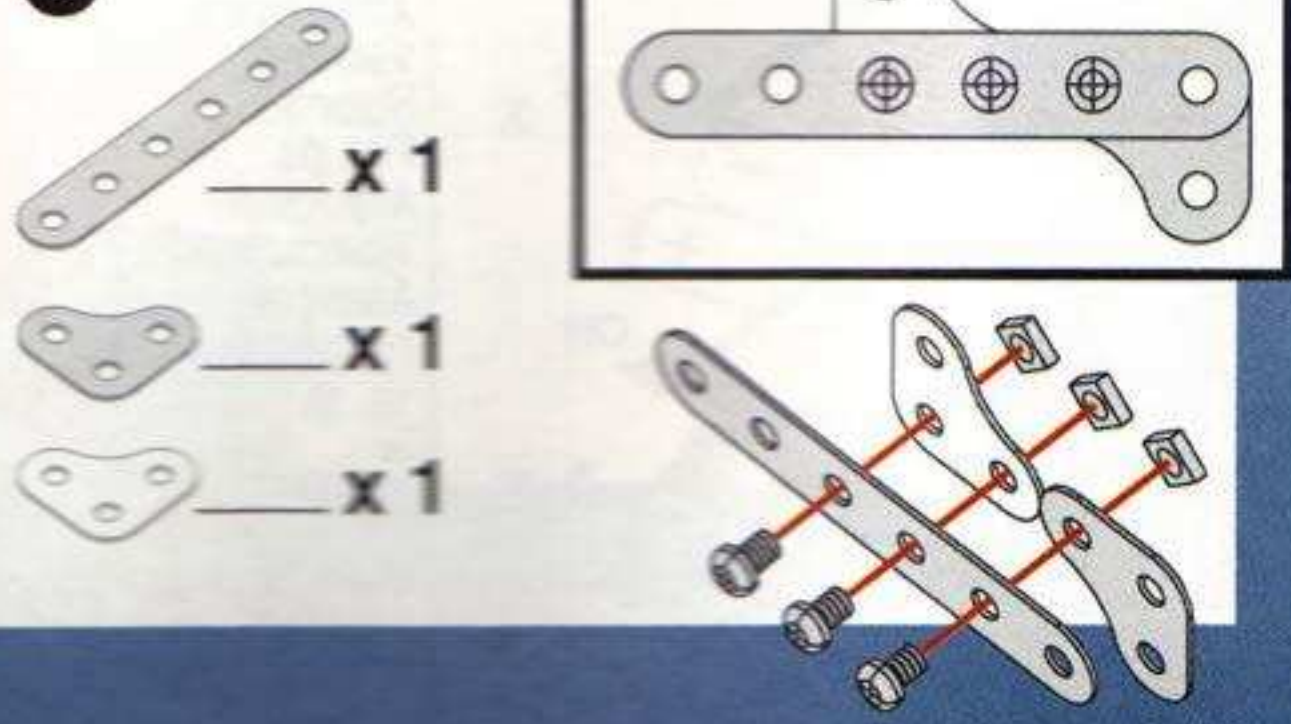


5

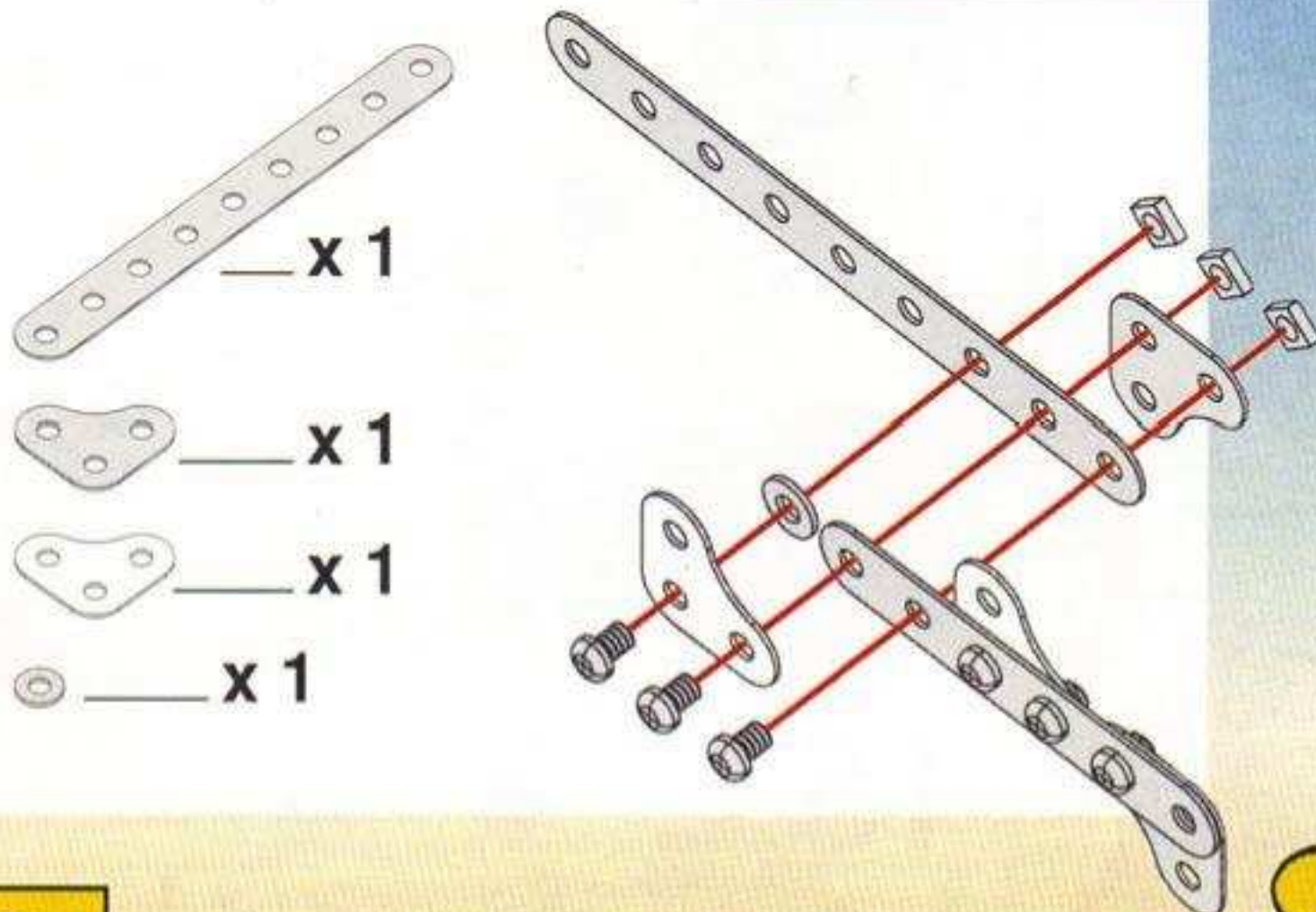
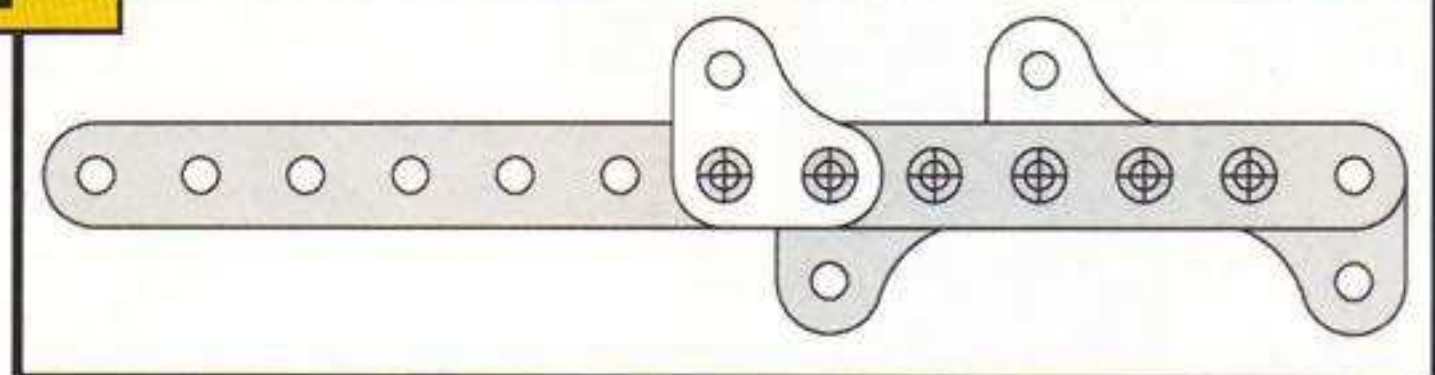
1 + 4 +



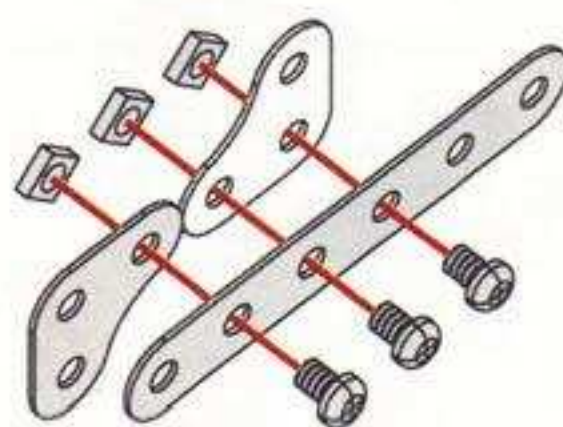
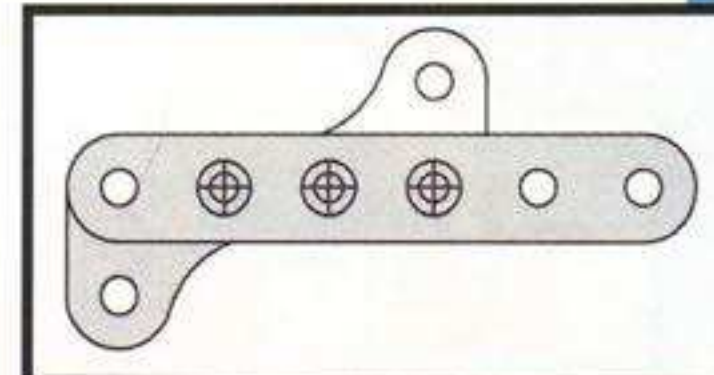
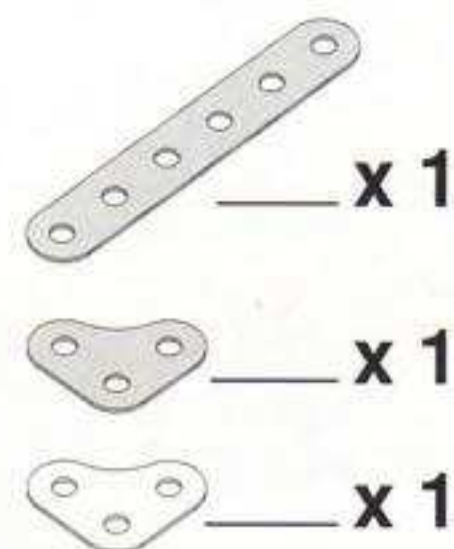
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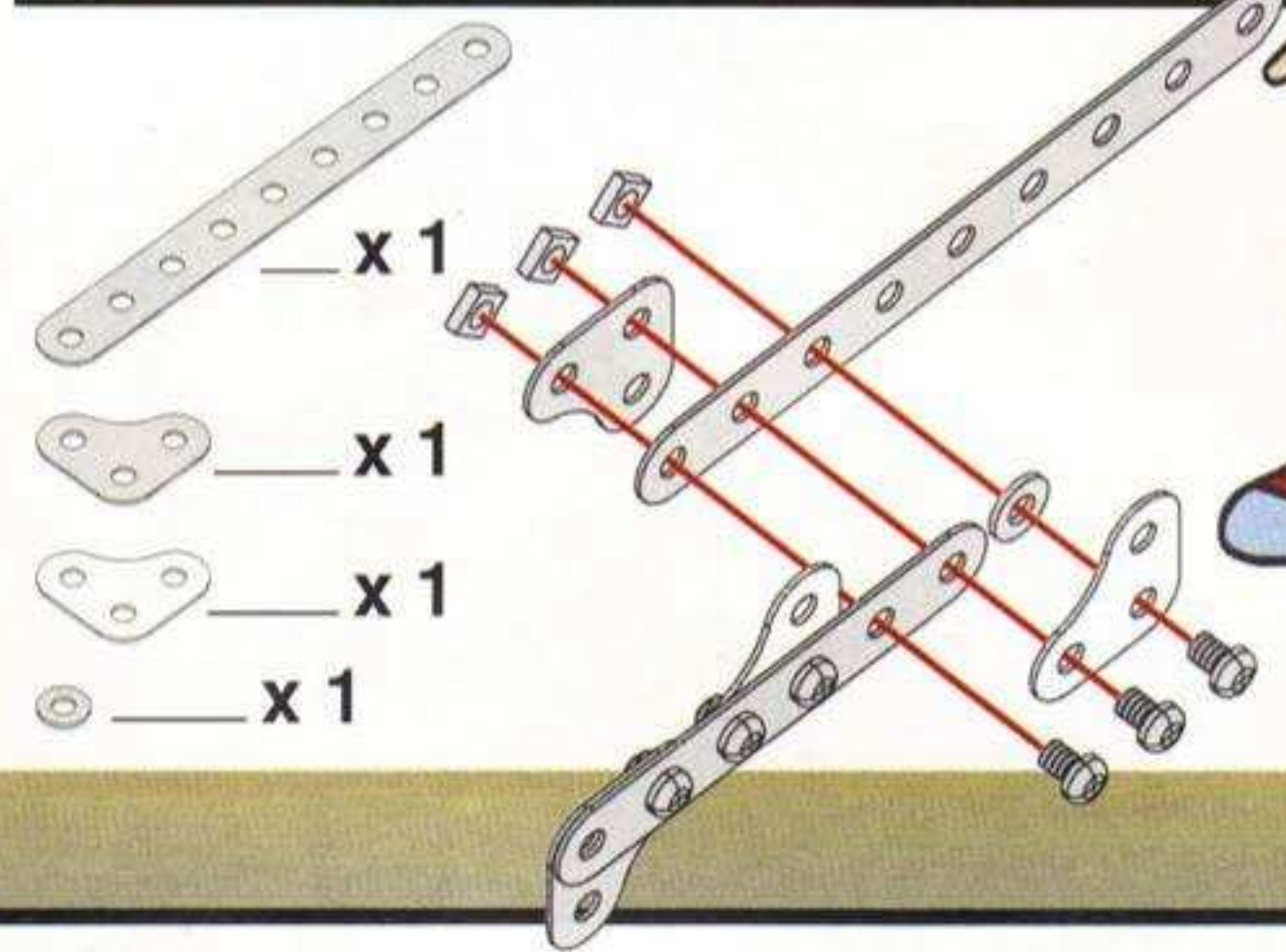
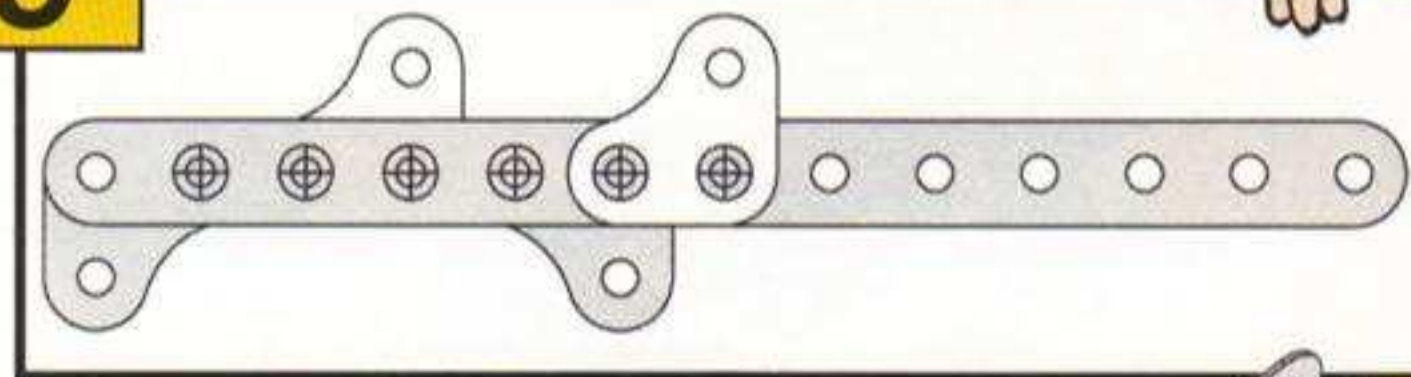
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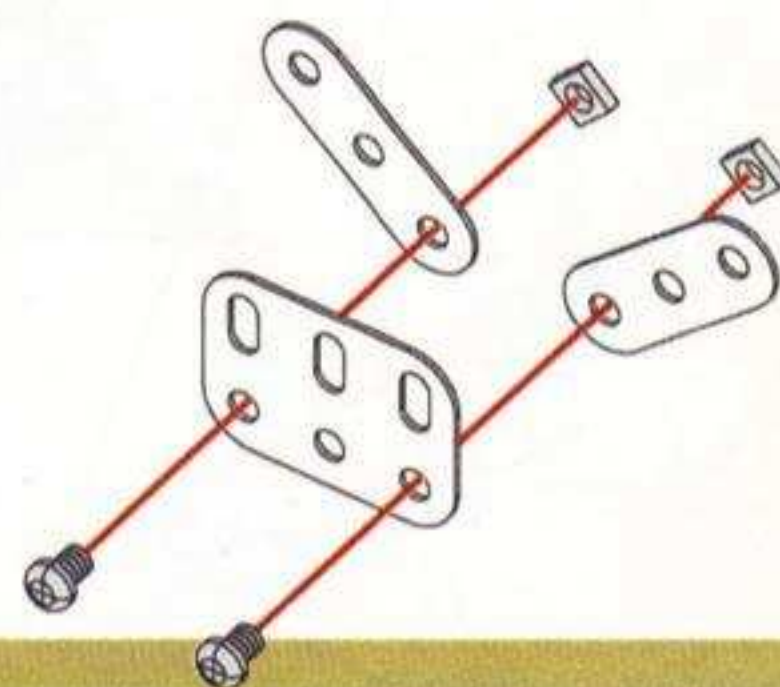
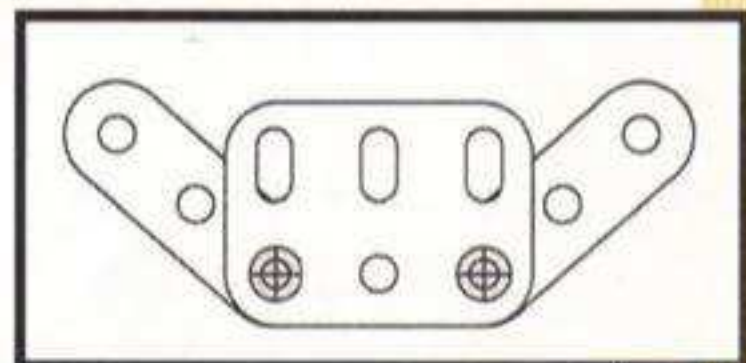
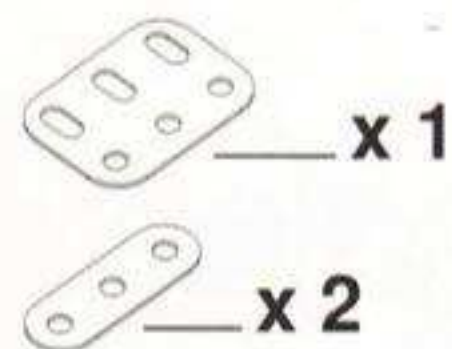
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9

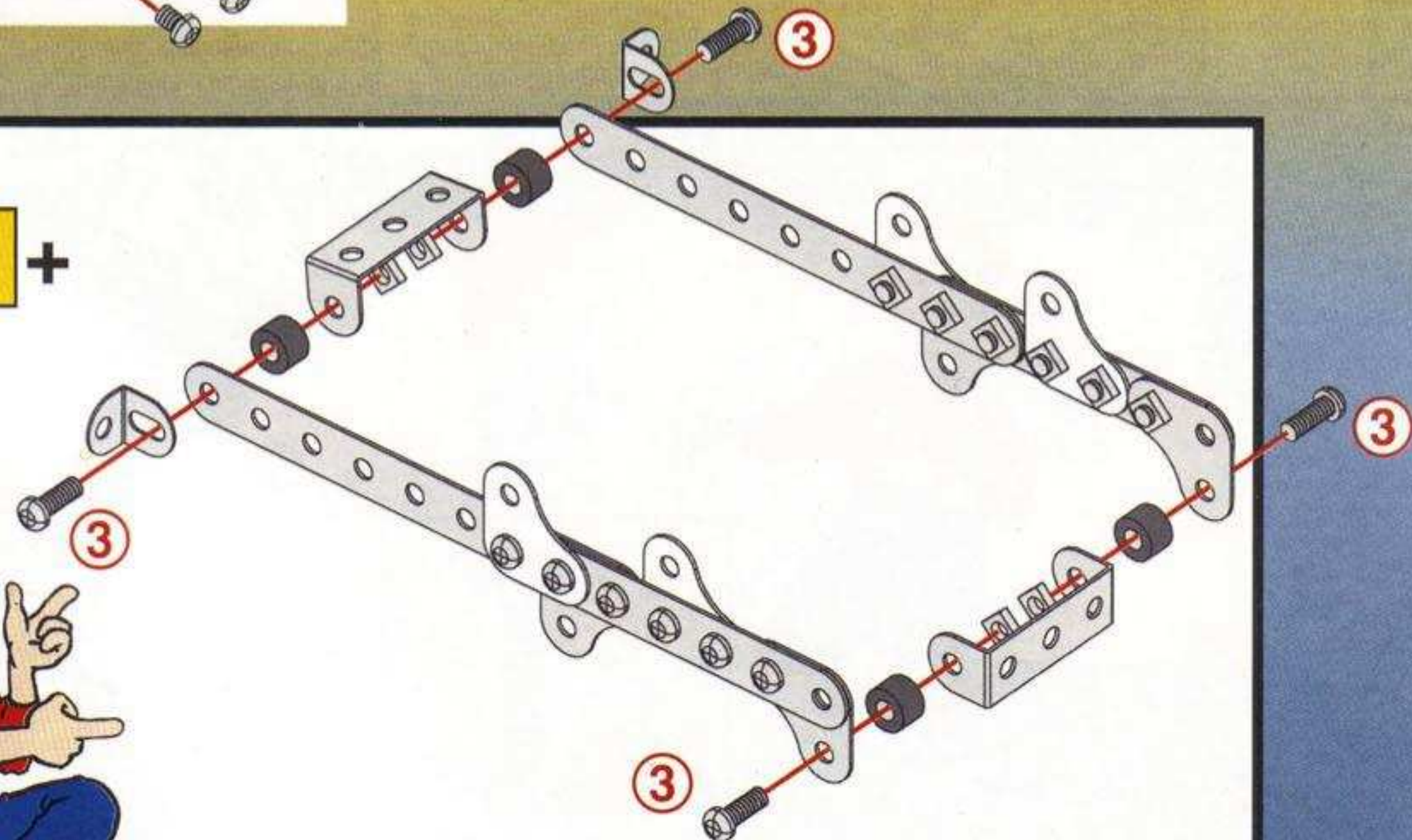
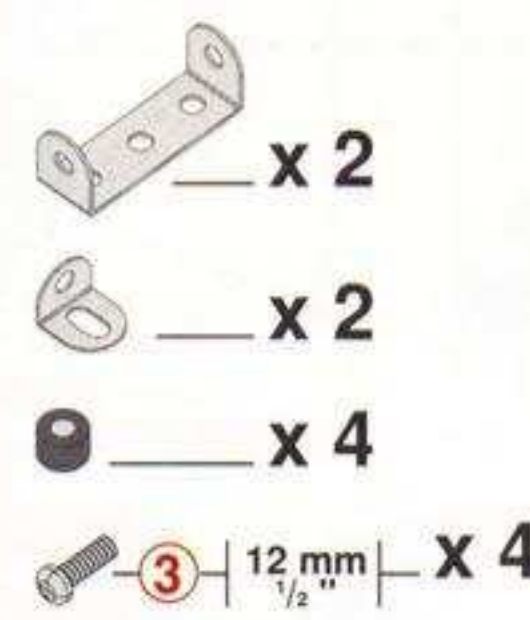


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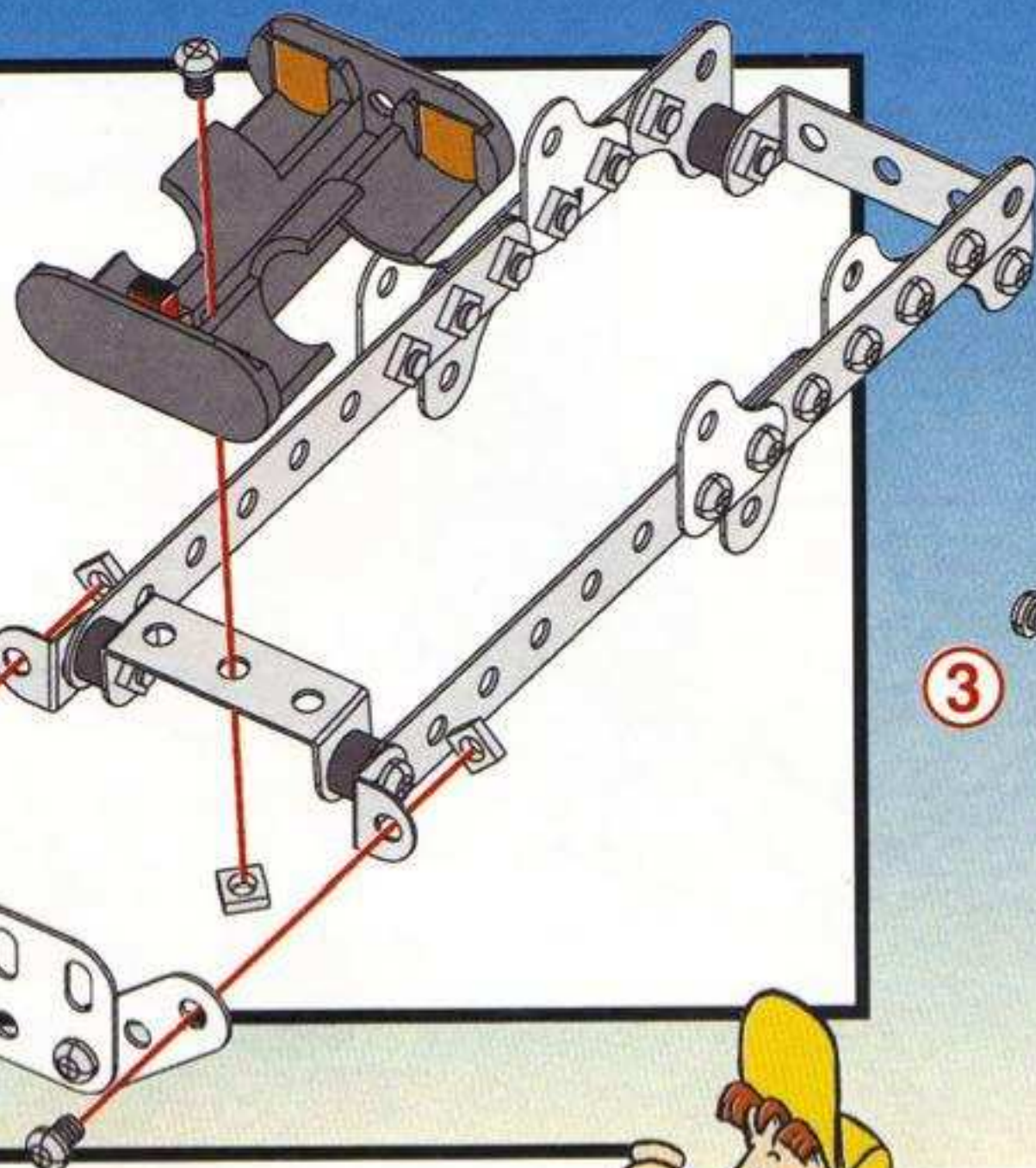
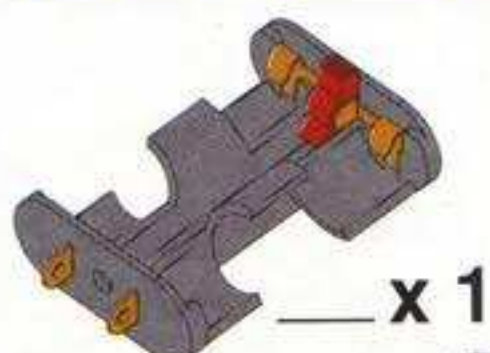
11

7 + 9 +

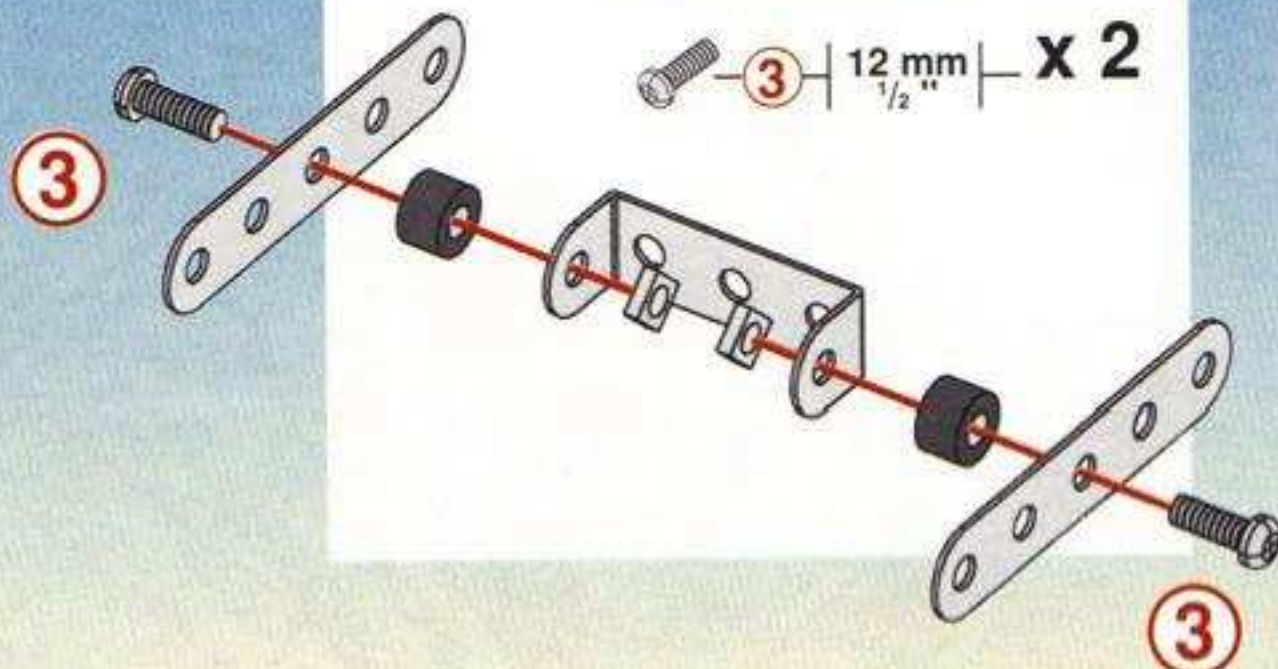
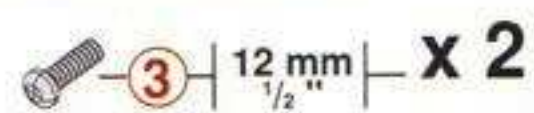


12

10 + **11** +

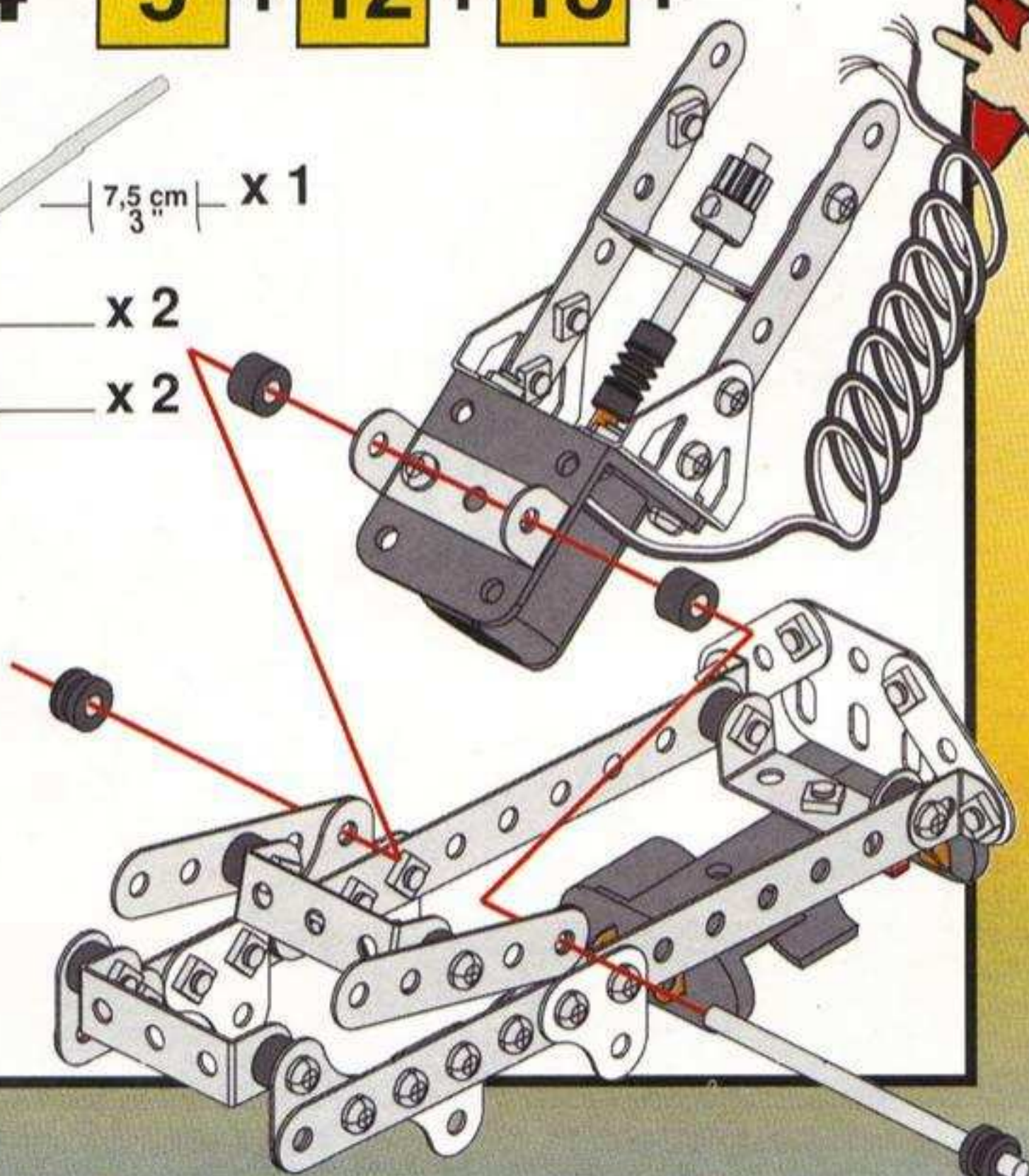
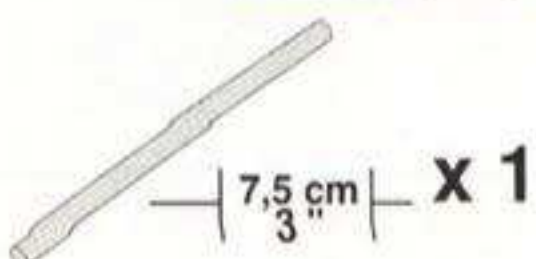


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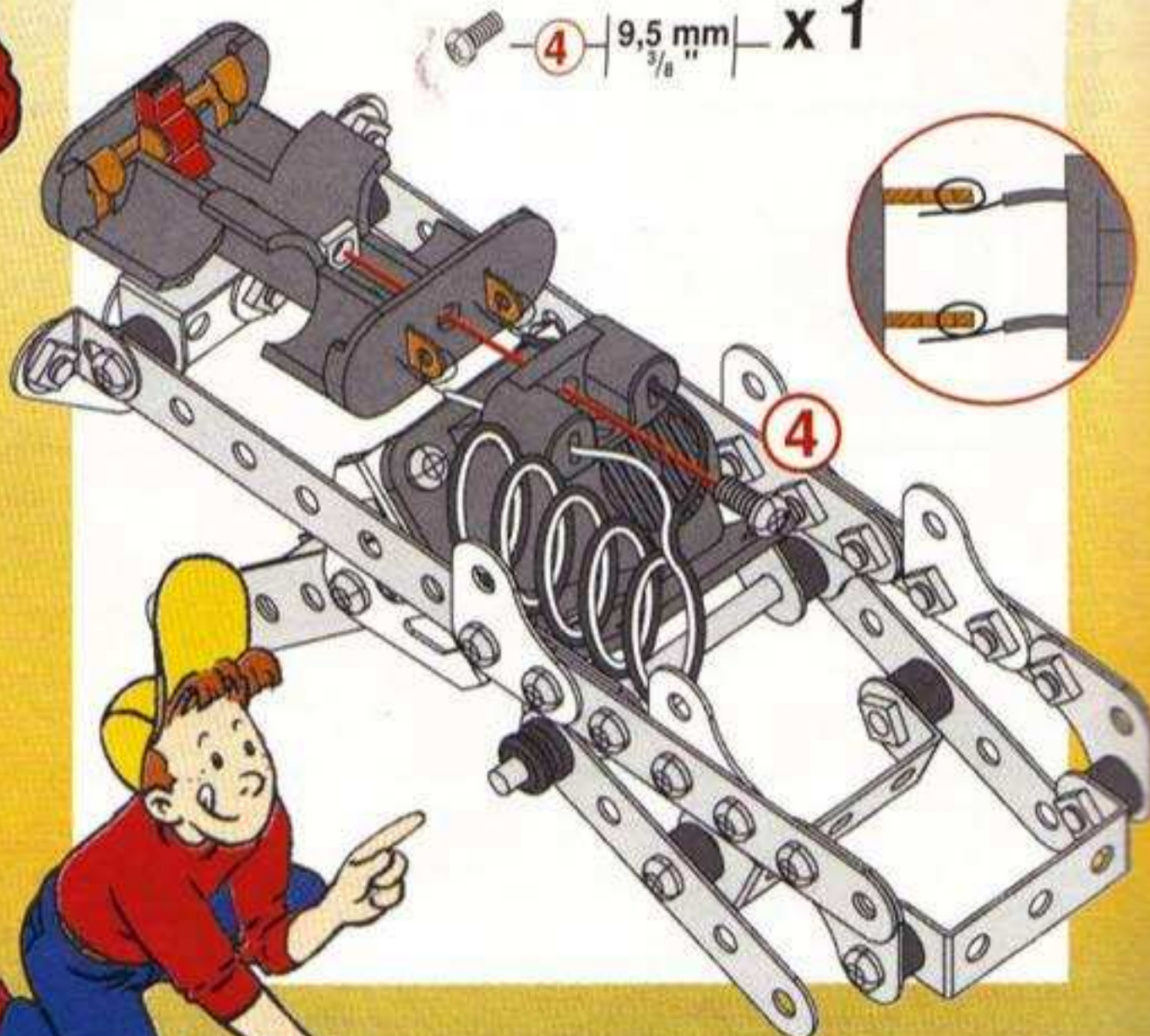
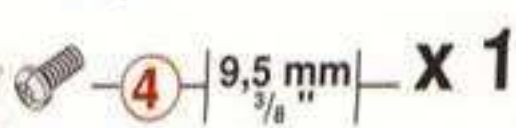


14

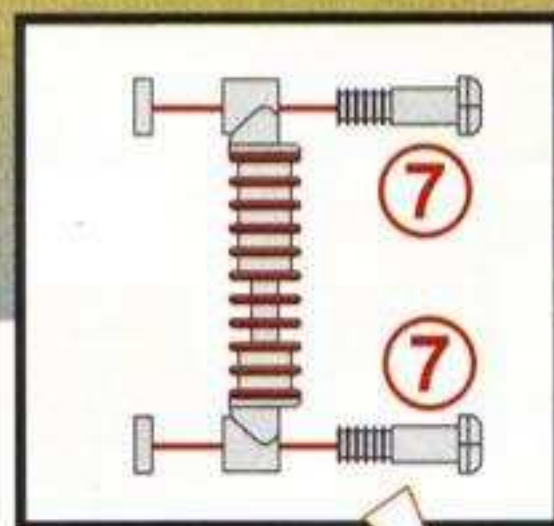
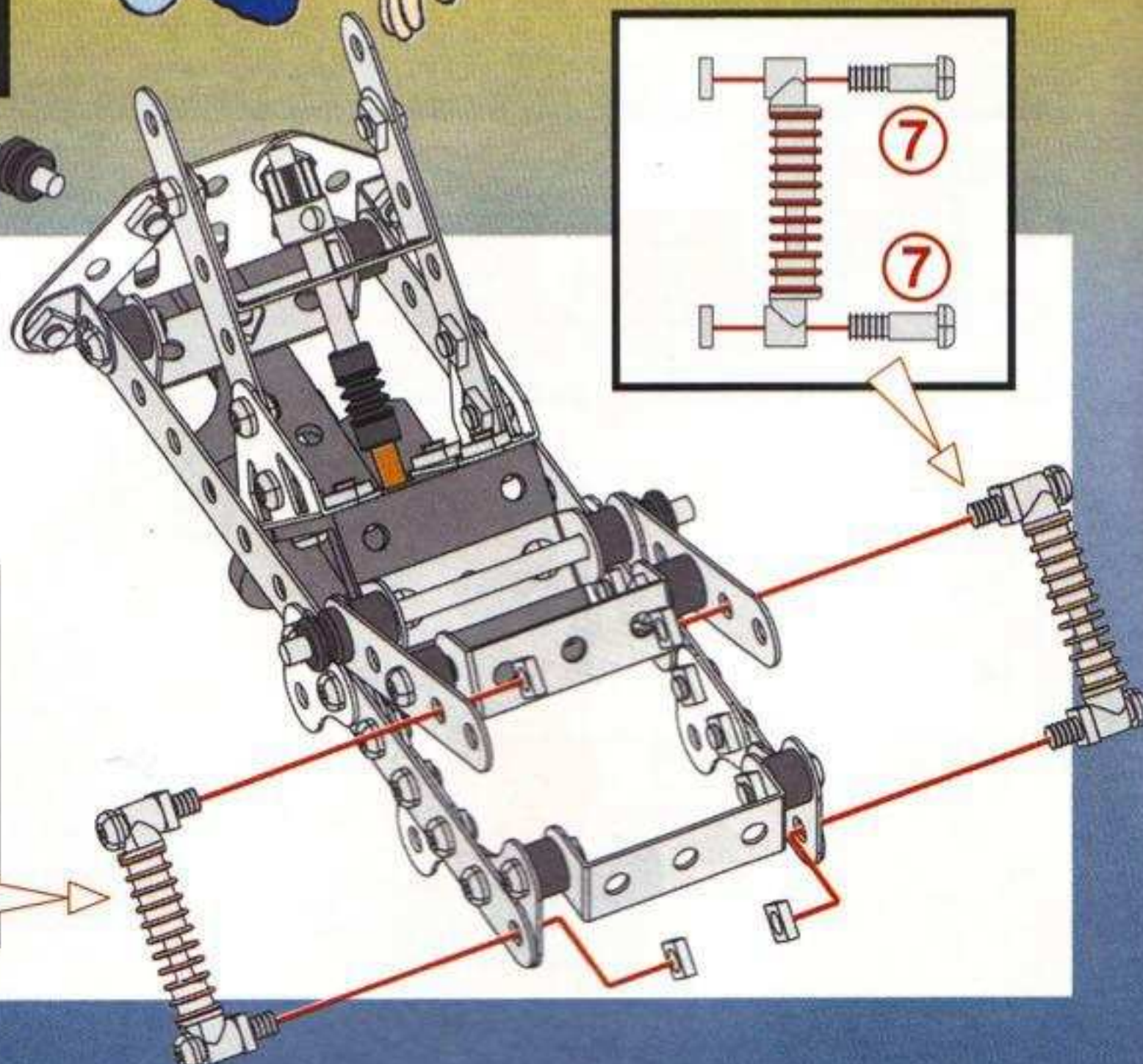
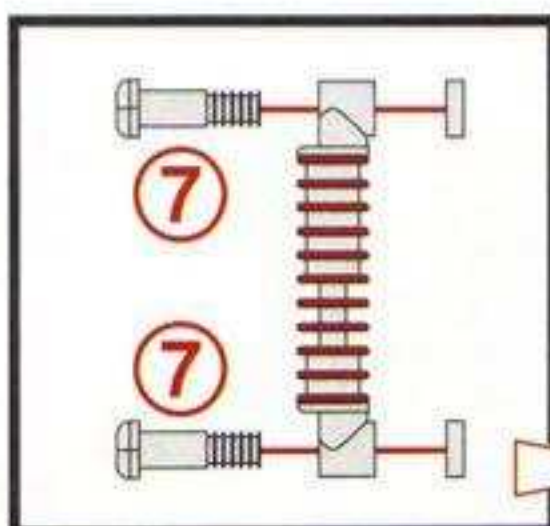
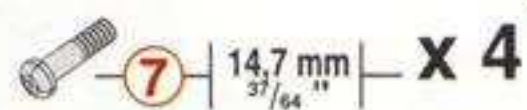
5 + **12** + **13** +



15



16



17



x 2



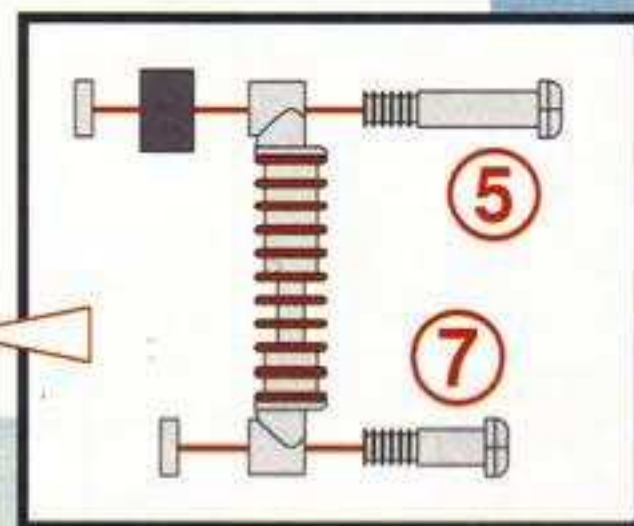
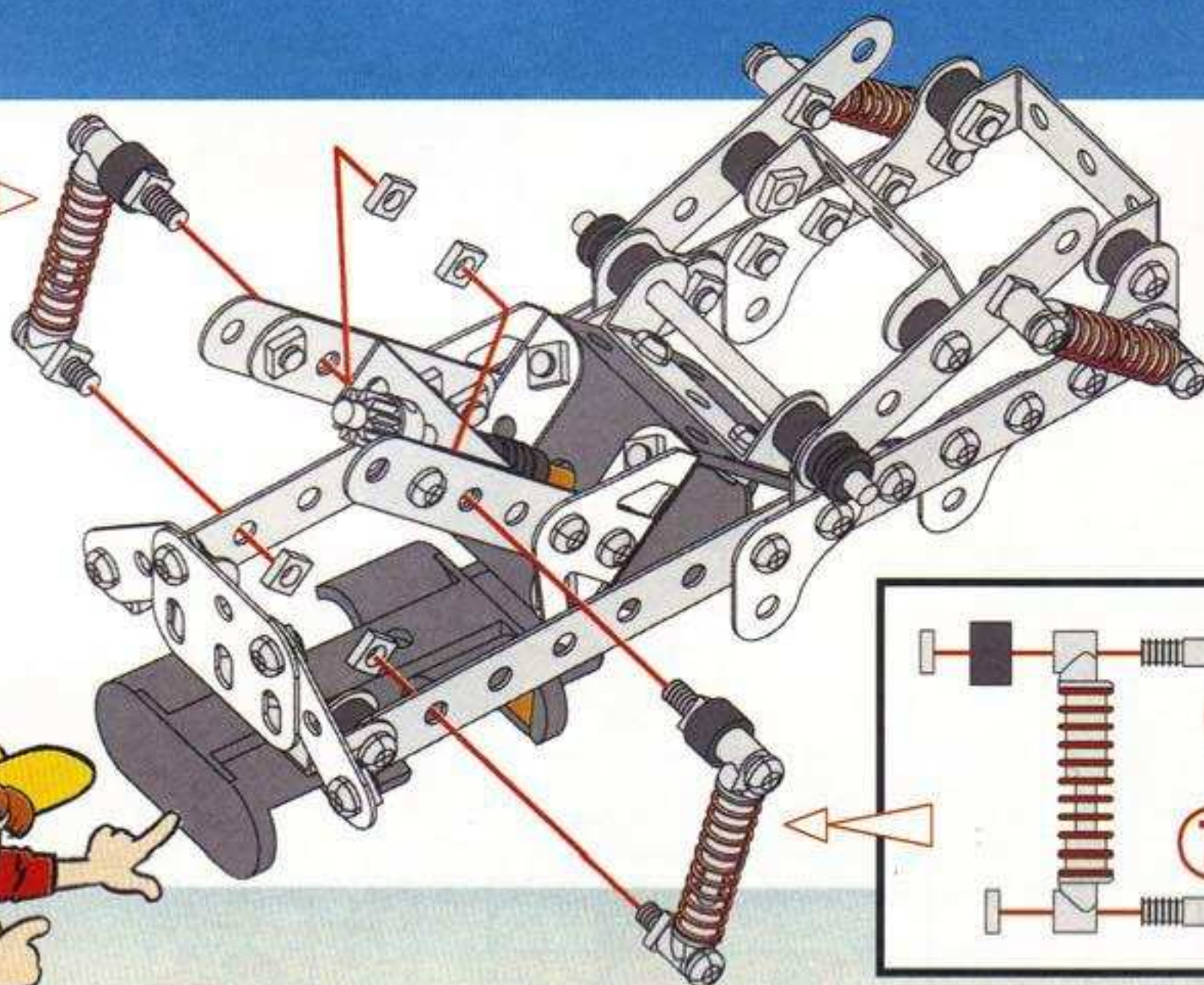
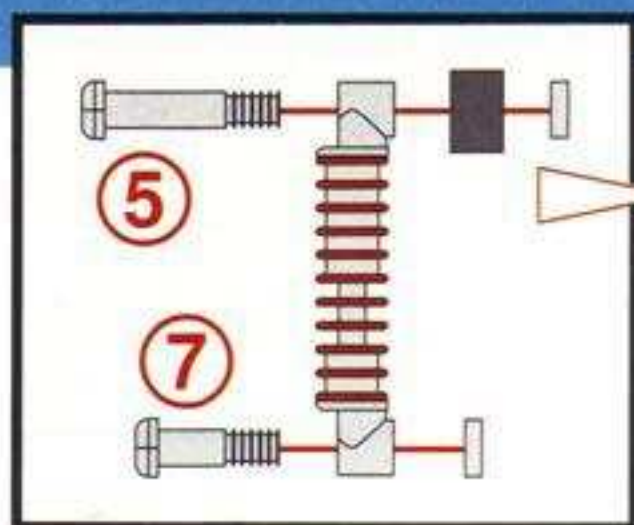
23 mm x 2



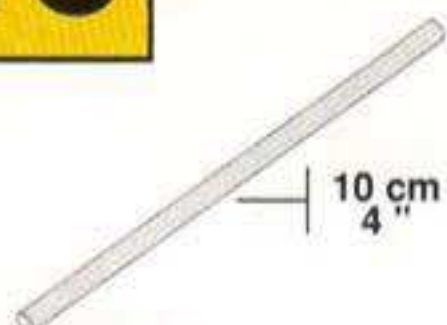
14,7 mm x 2



x 2



18



10 cm x 2



x 1



x 6



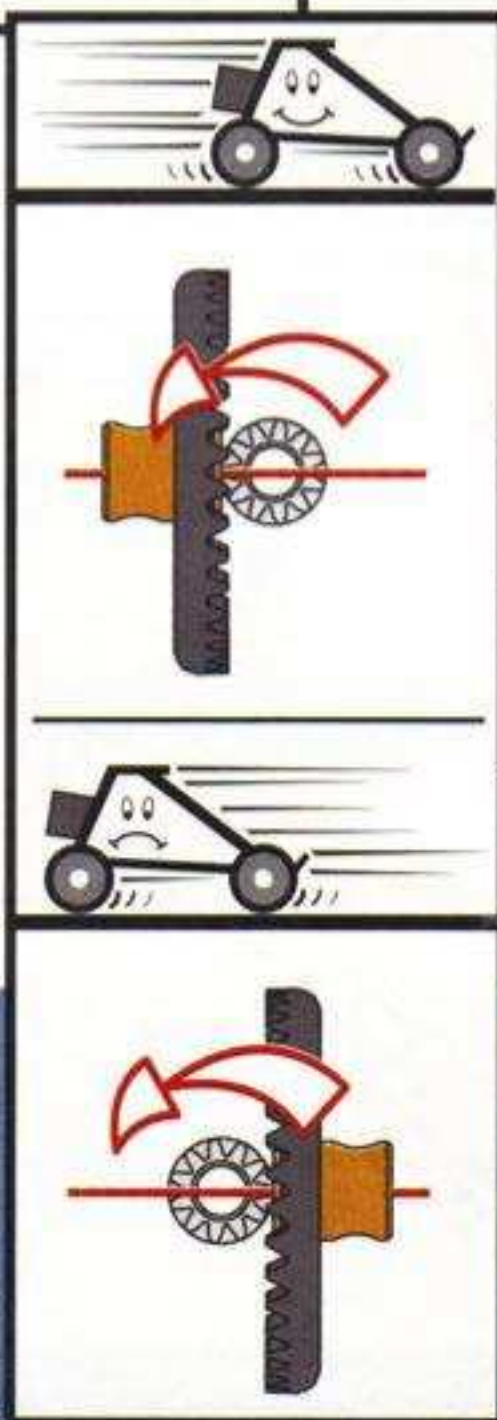
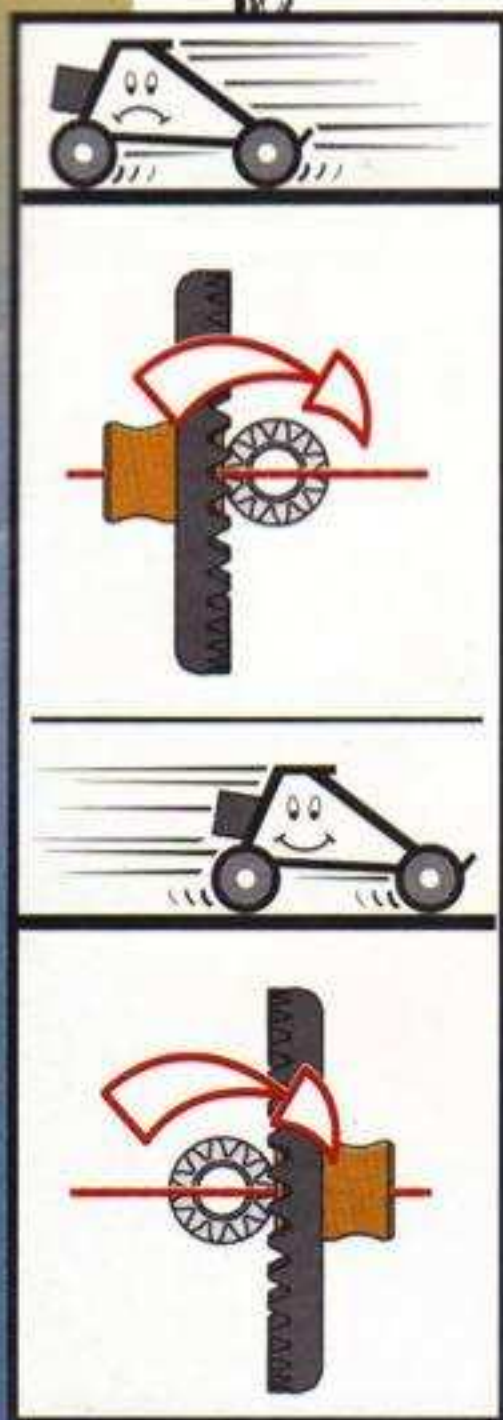
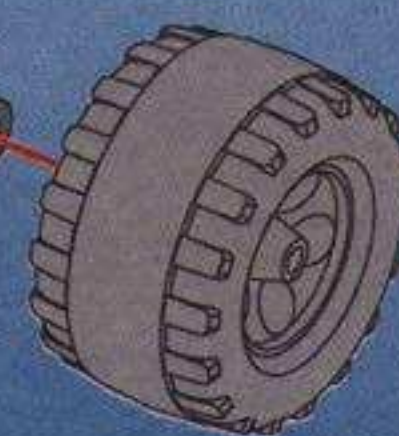
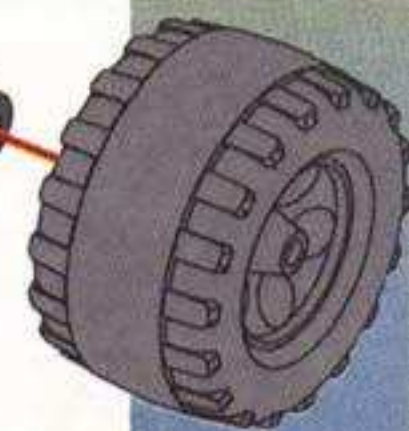
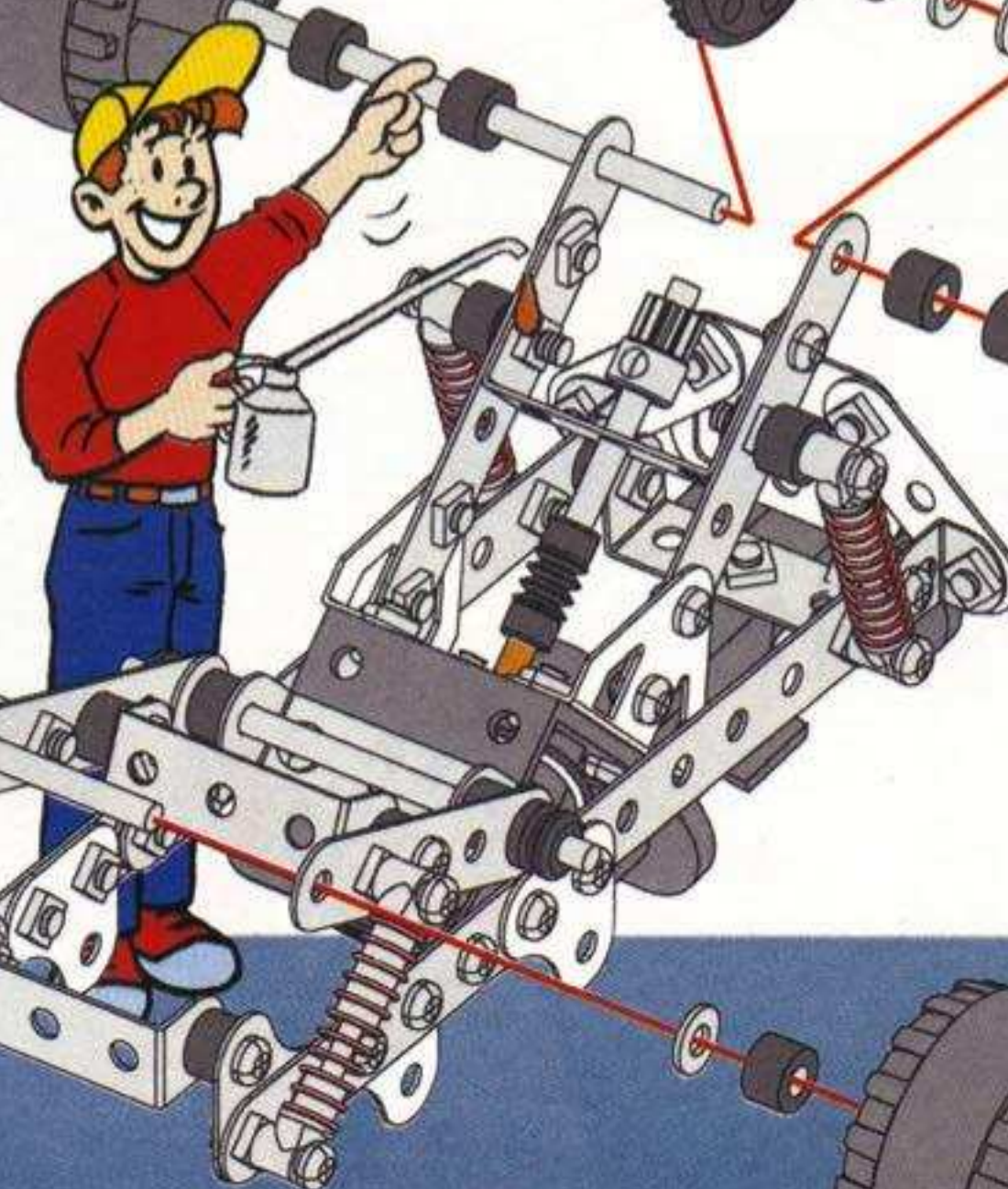
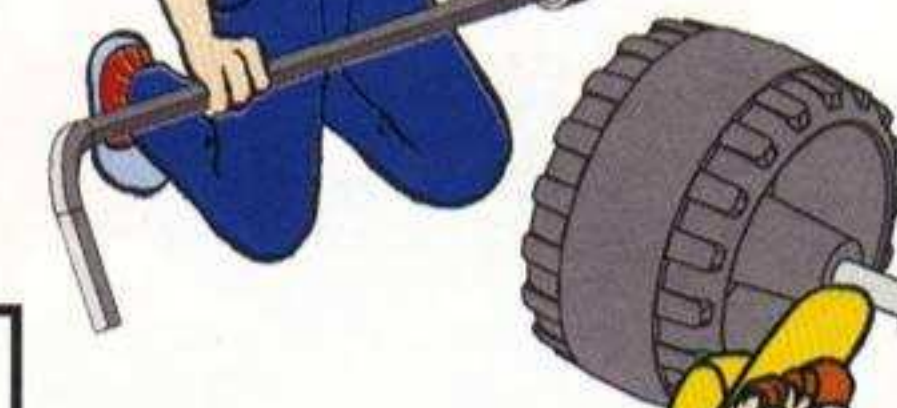
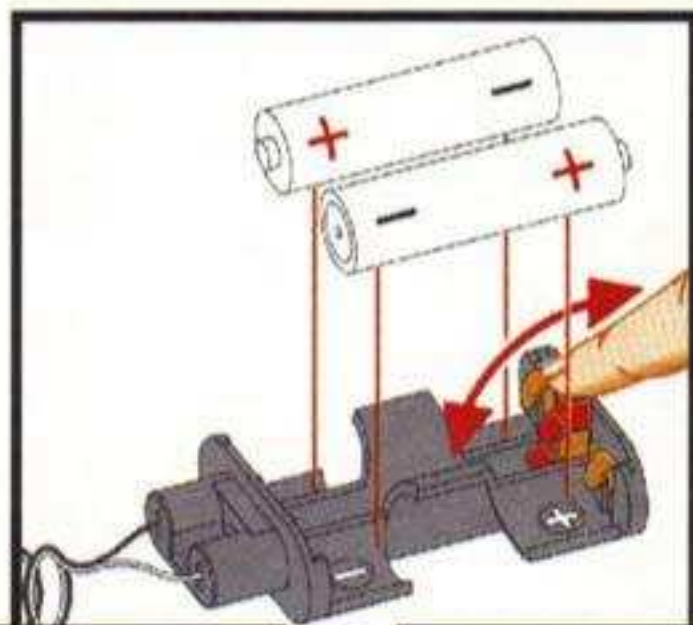
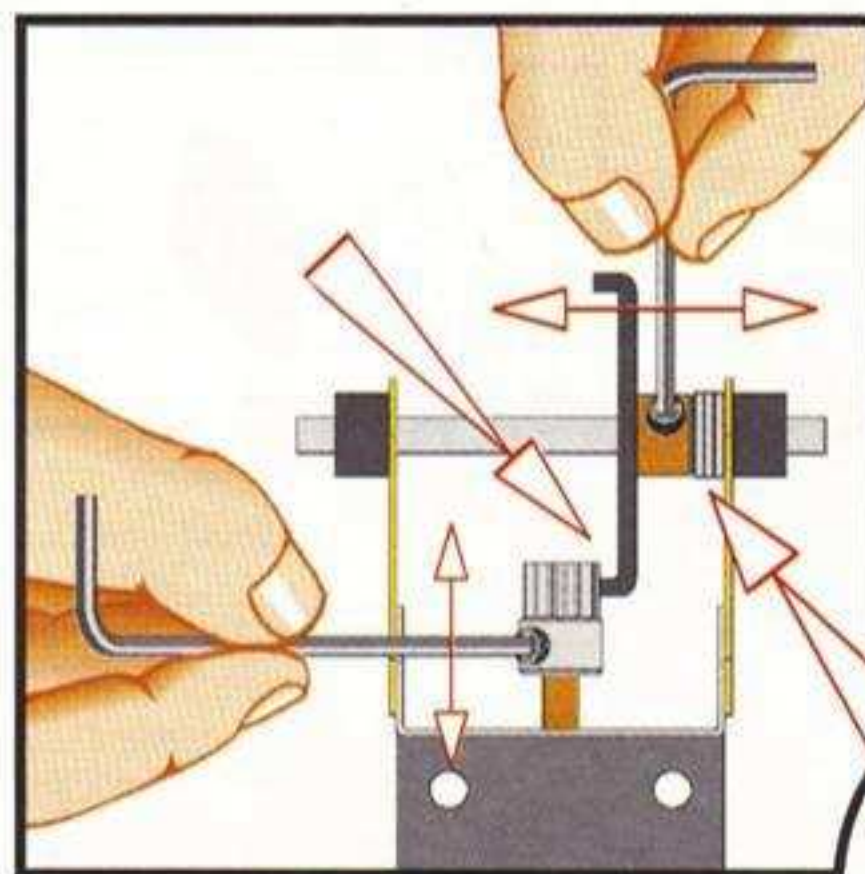
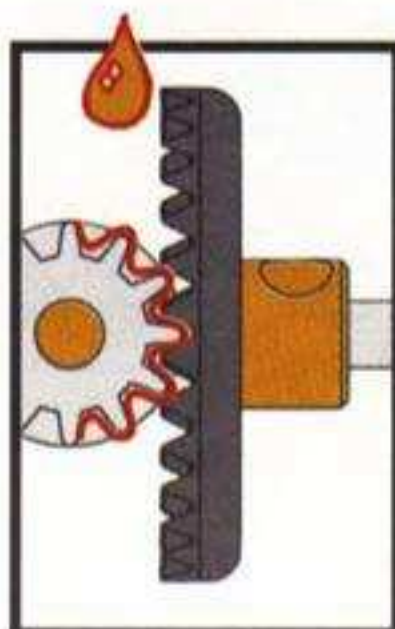
x 5



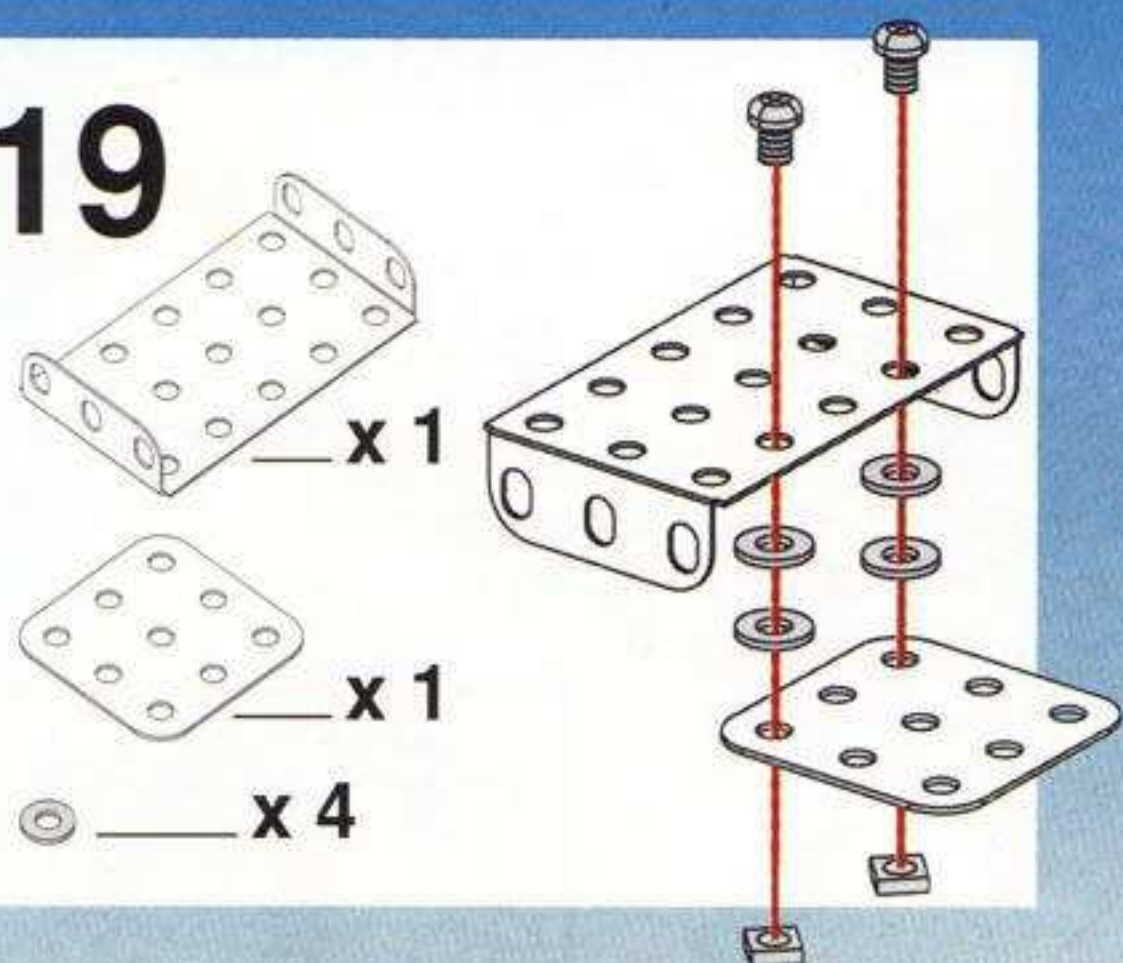
x 1



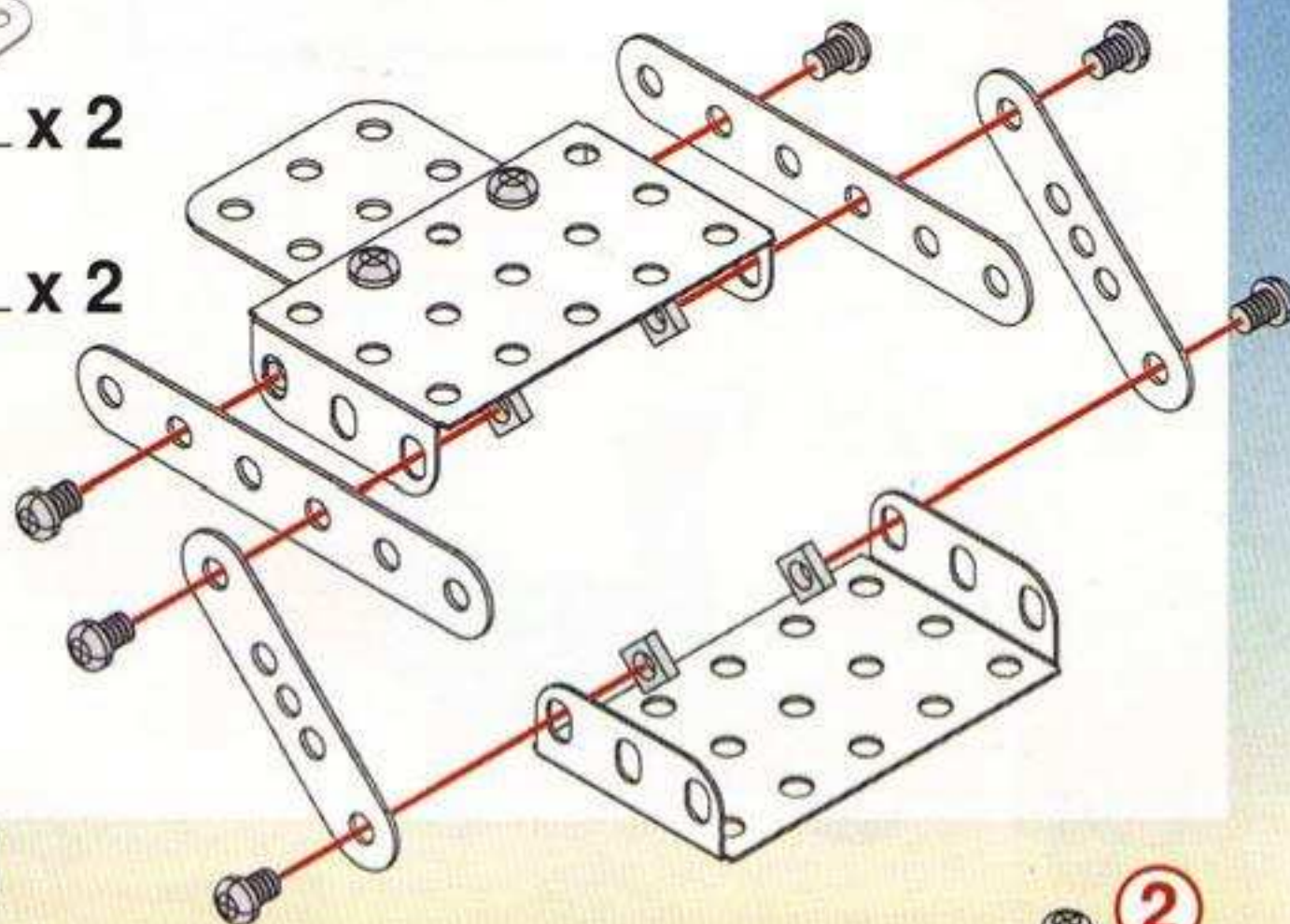
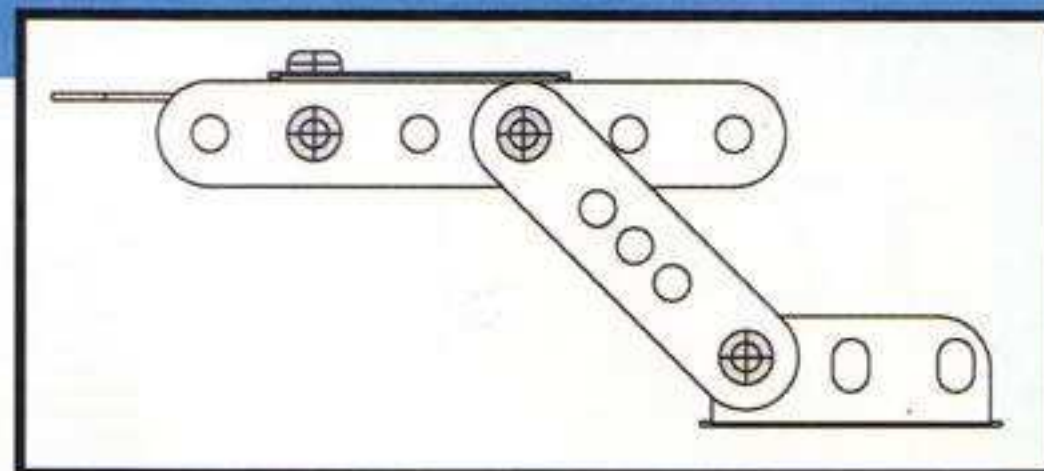
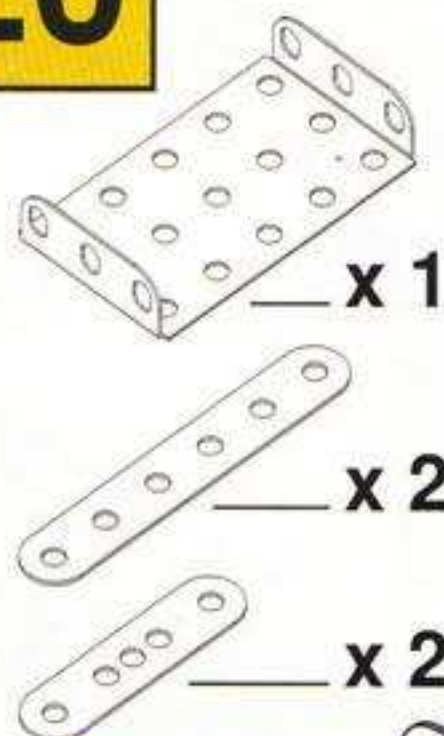
x 4



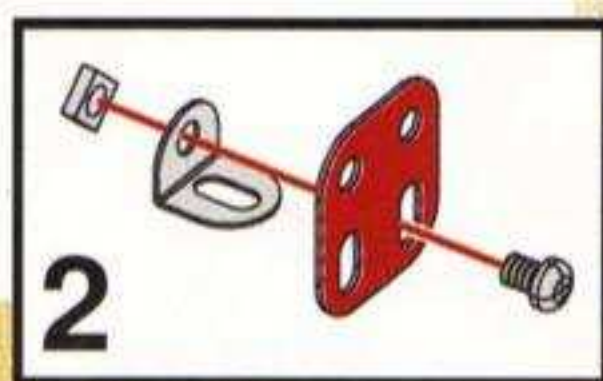
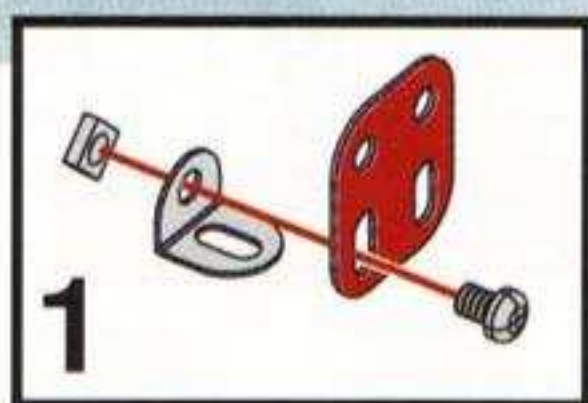
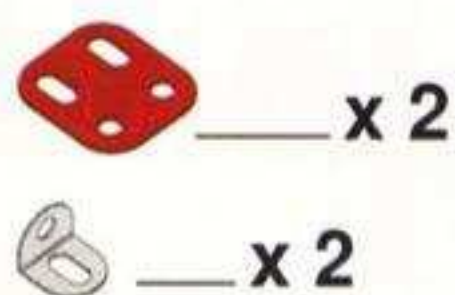
19



20

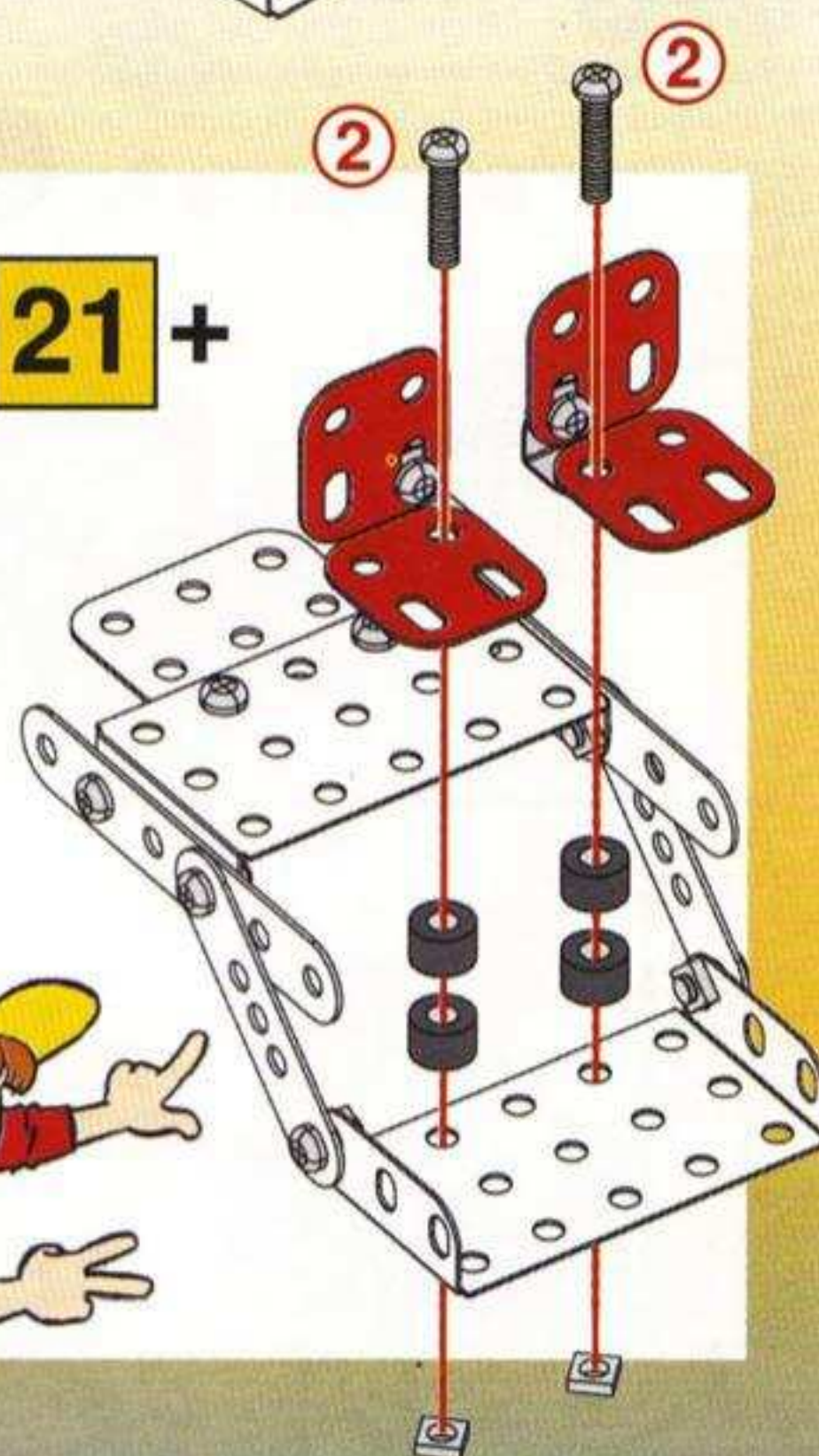
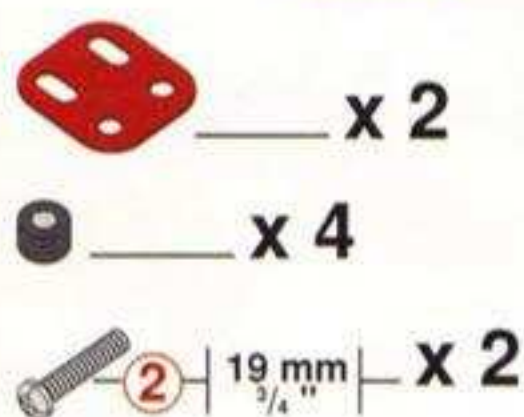


21

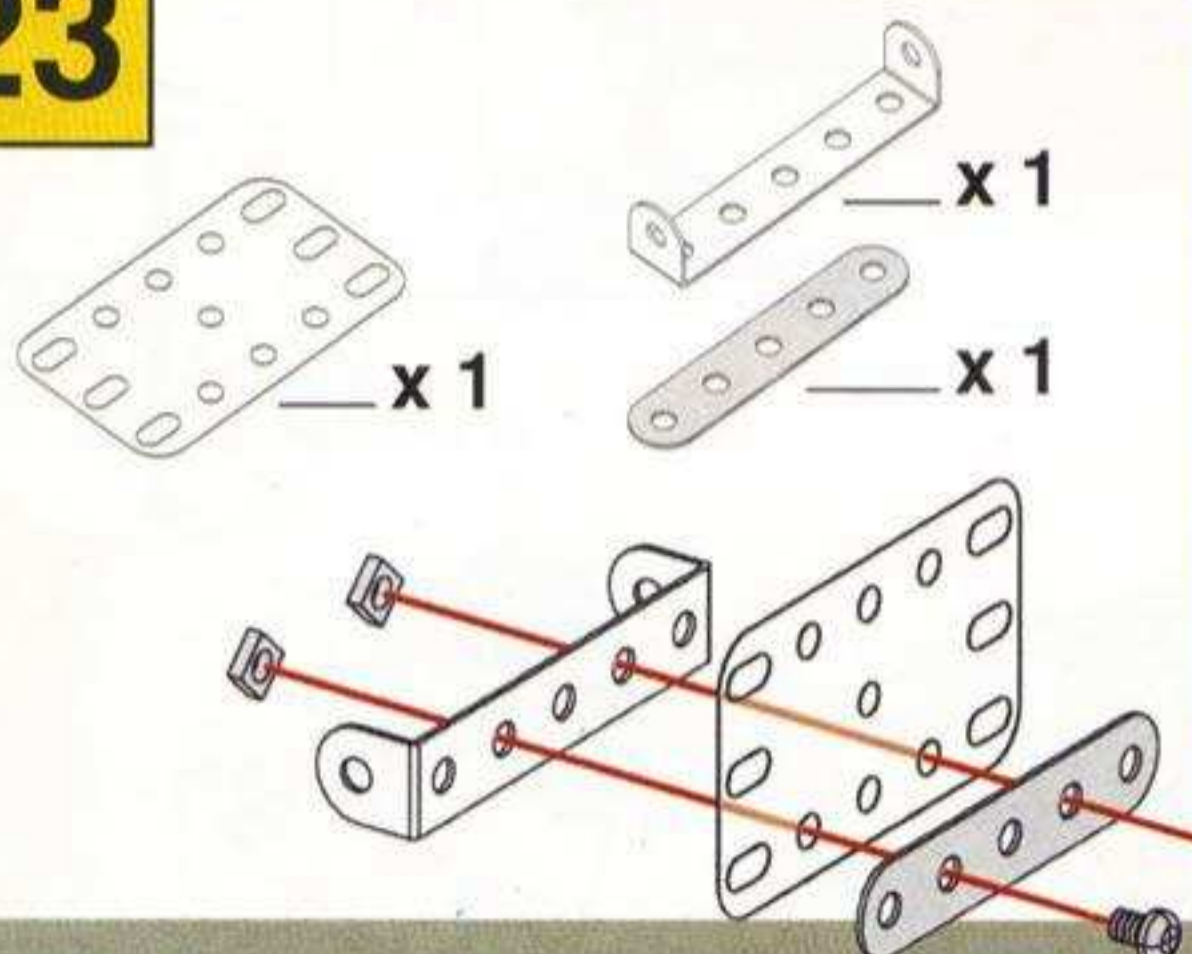


22

20 + 21 +

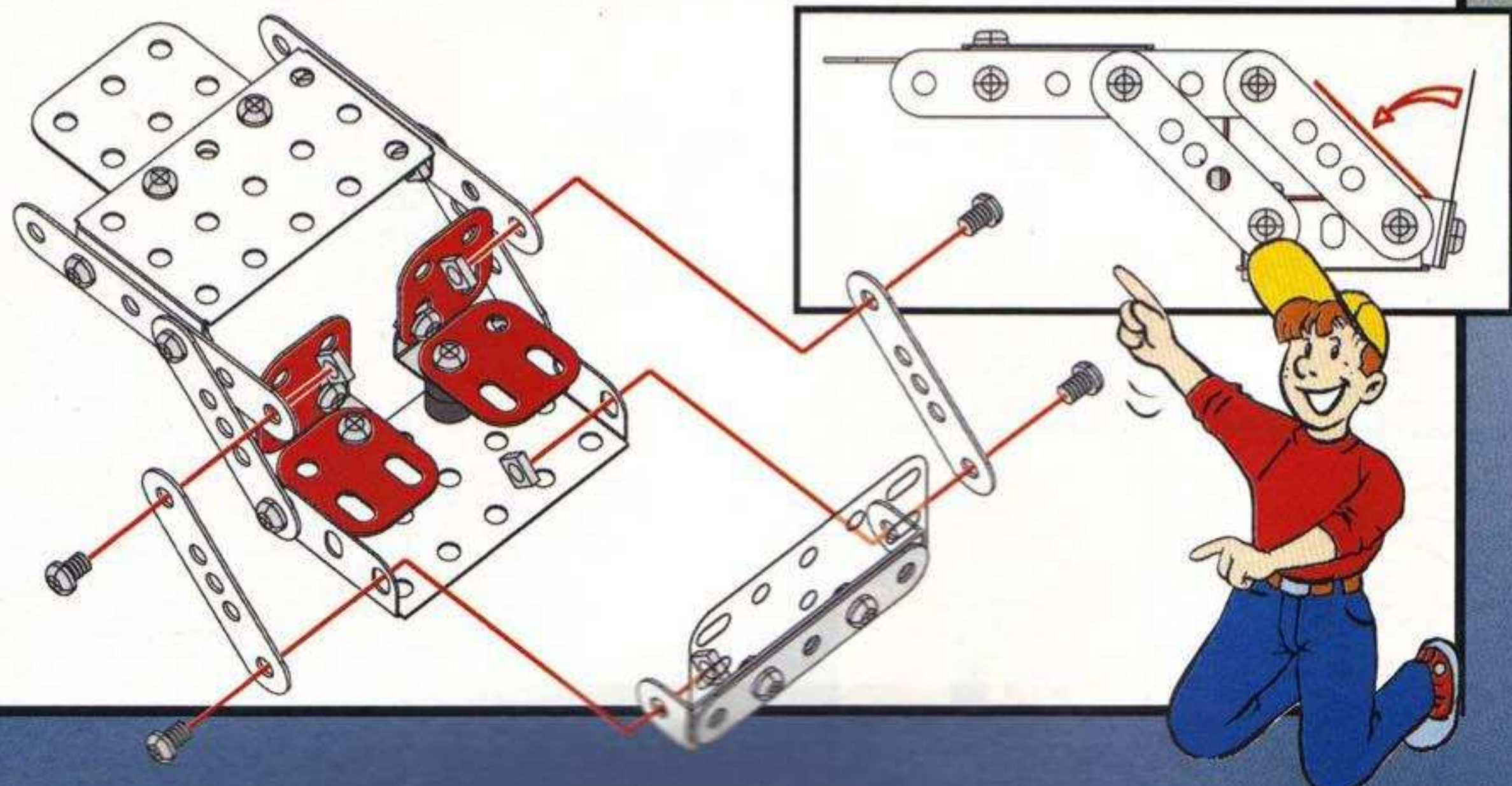
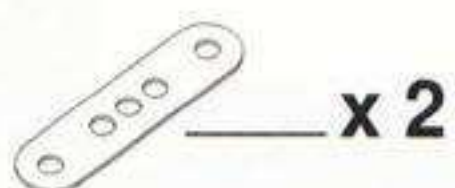


23

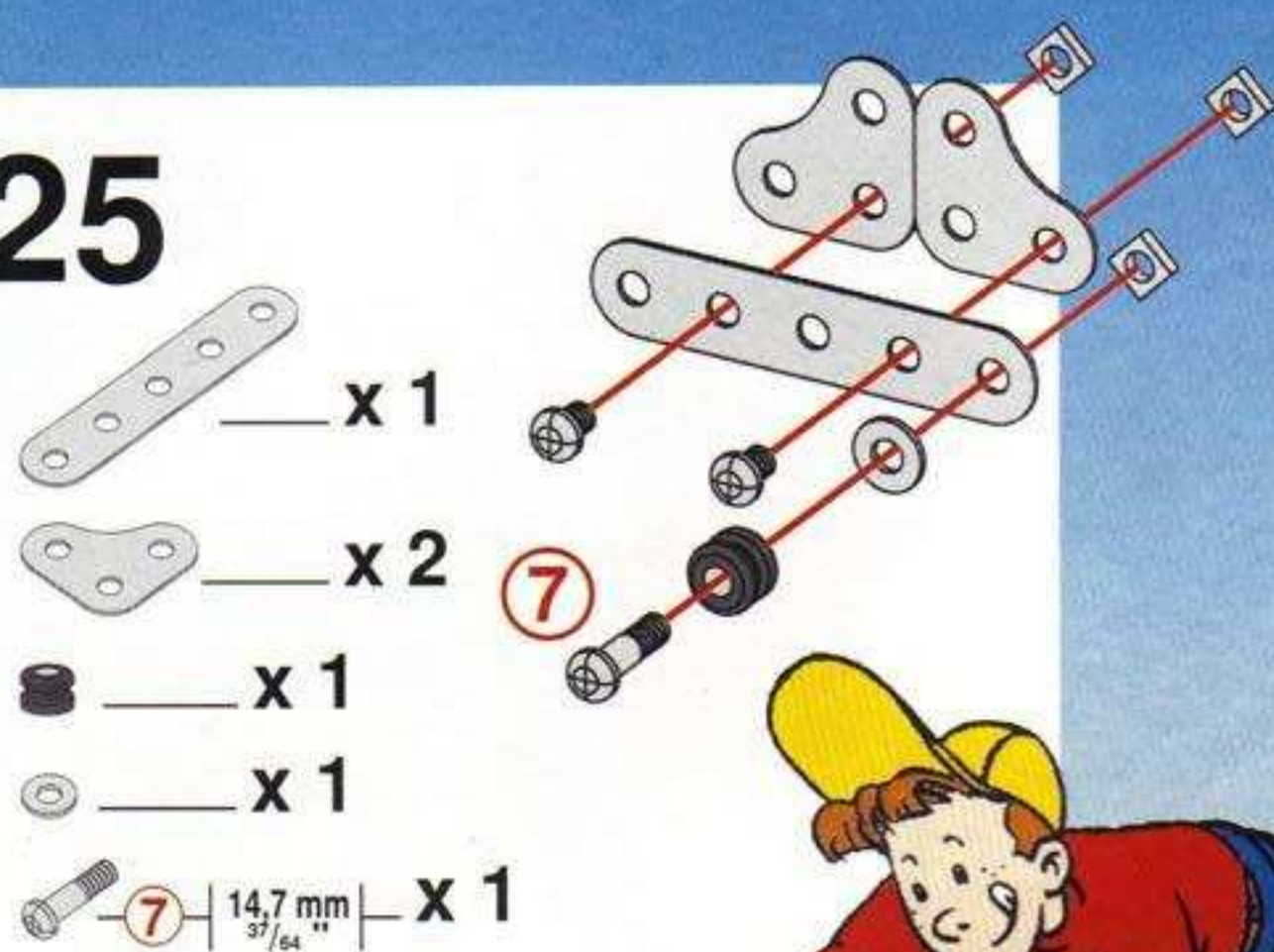


24

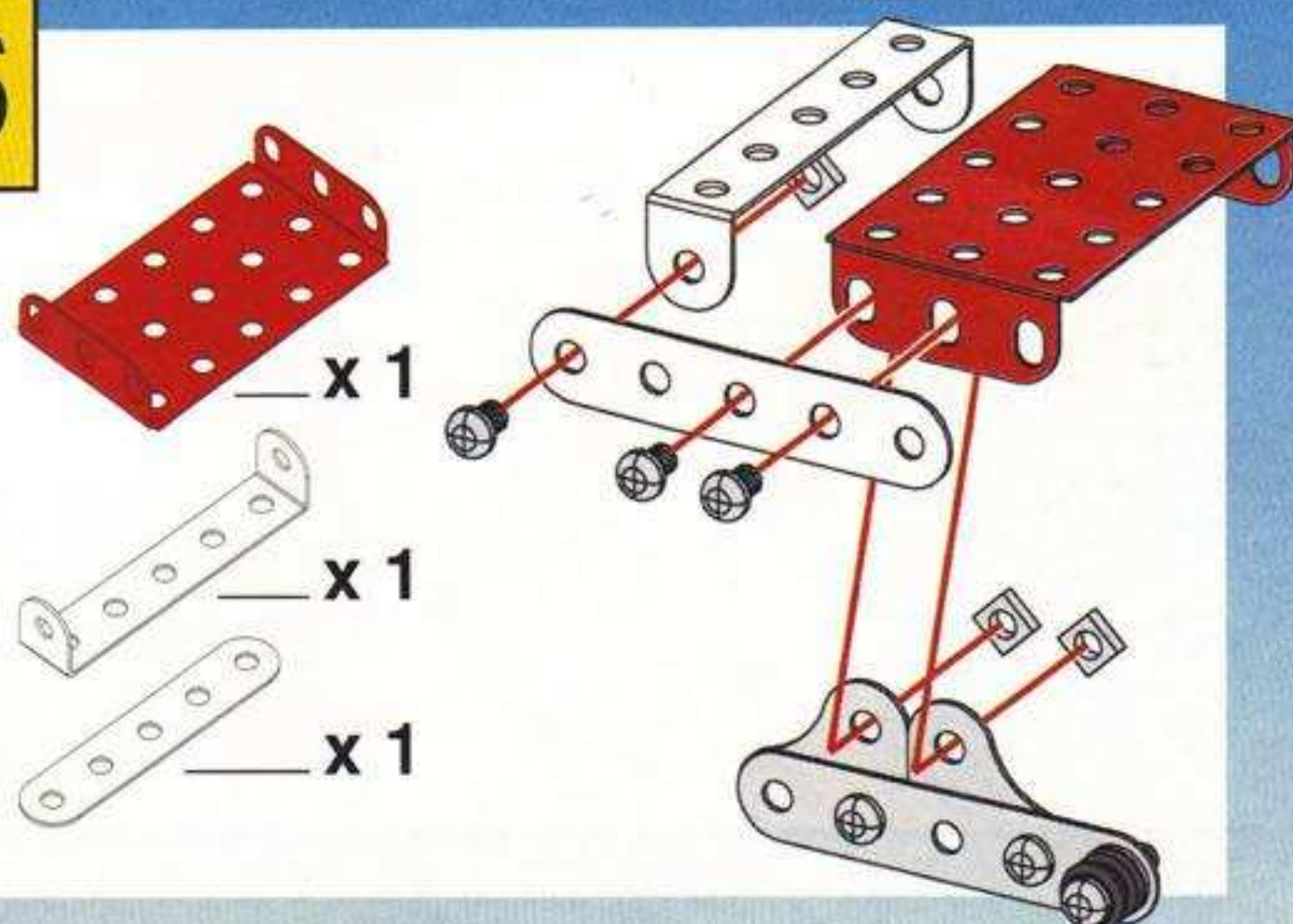
22 + 23 +



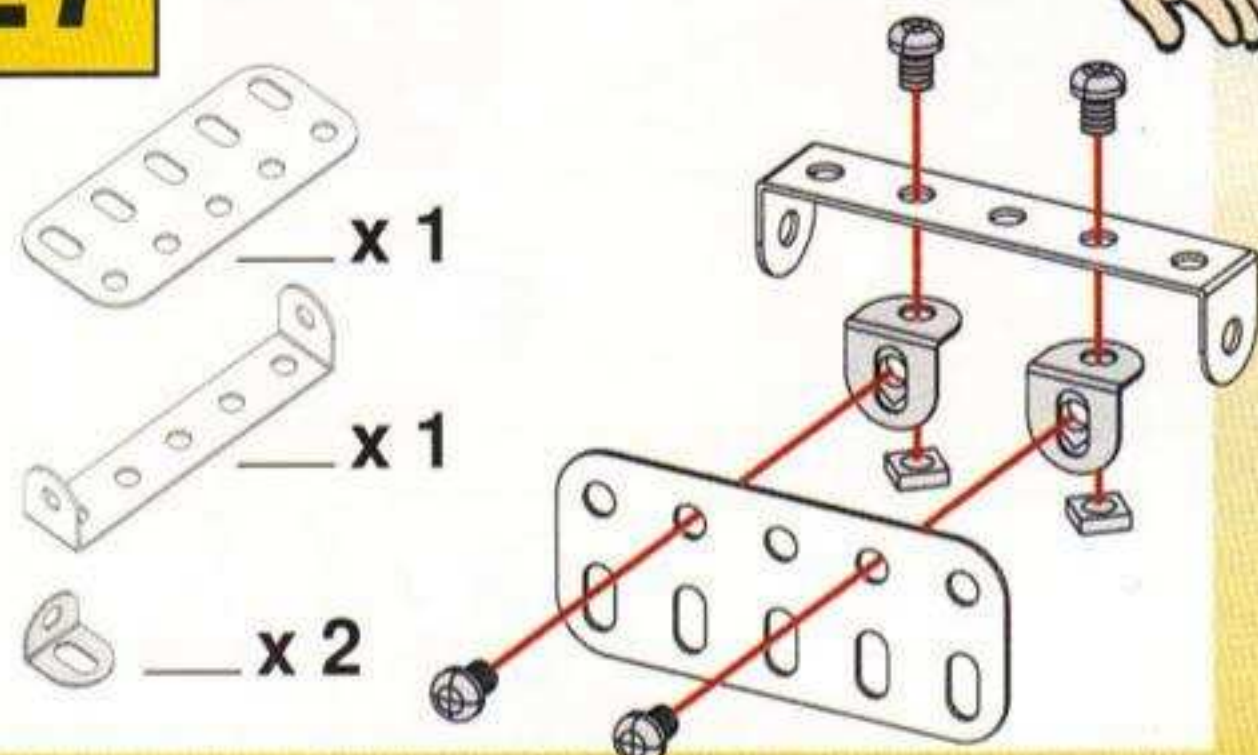
25



26

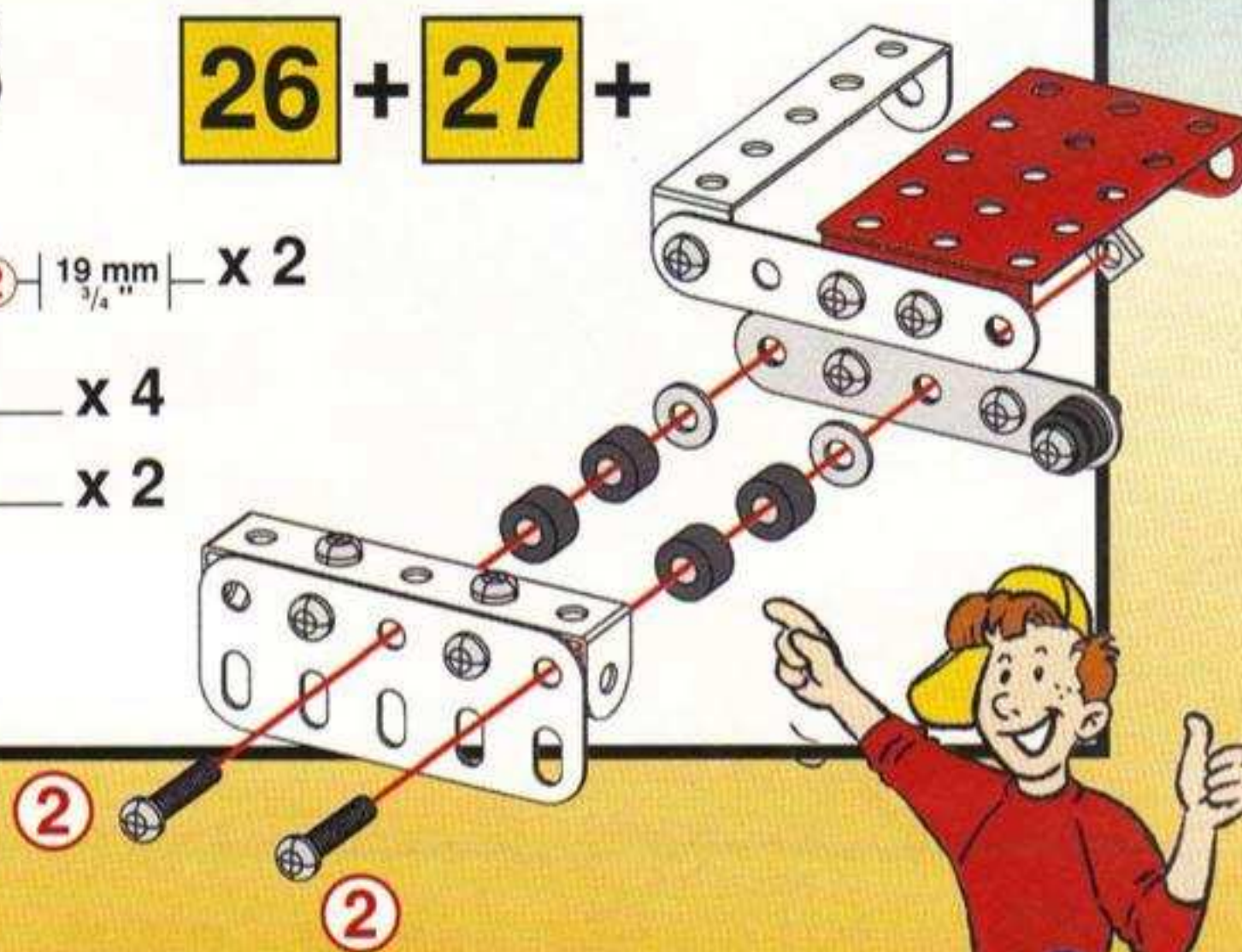
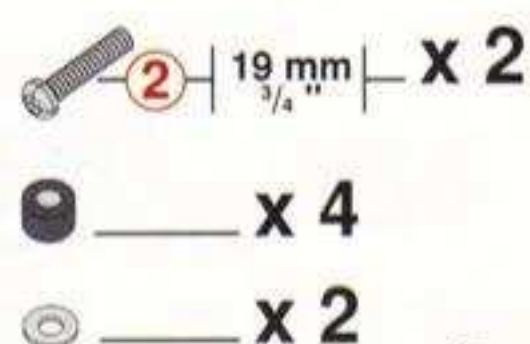


27

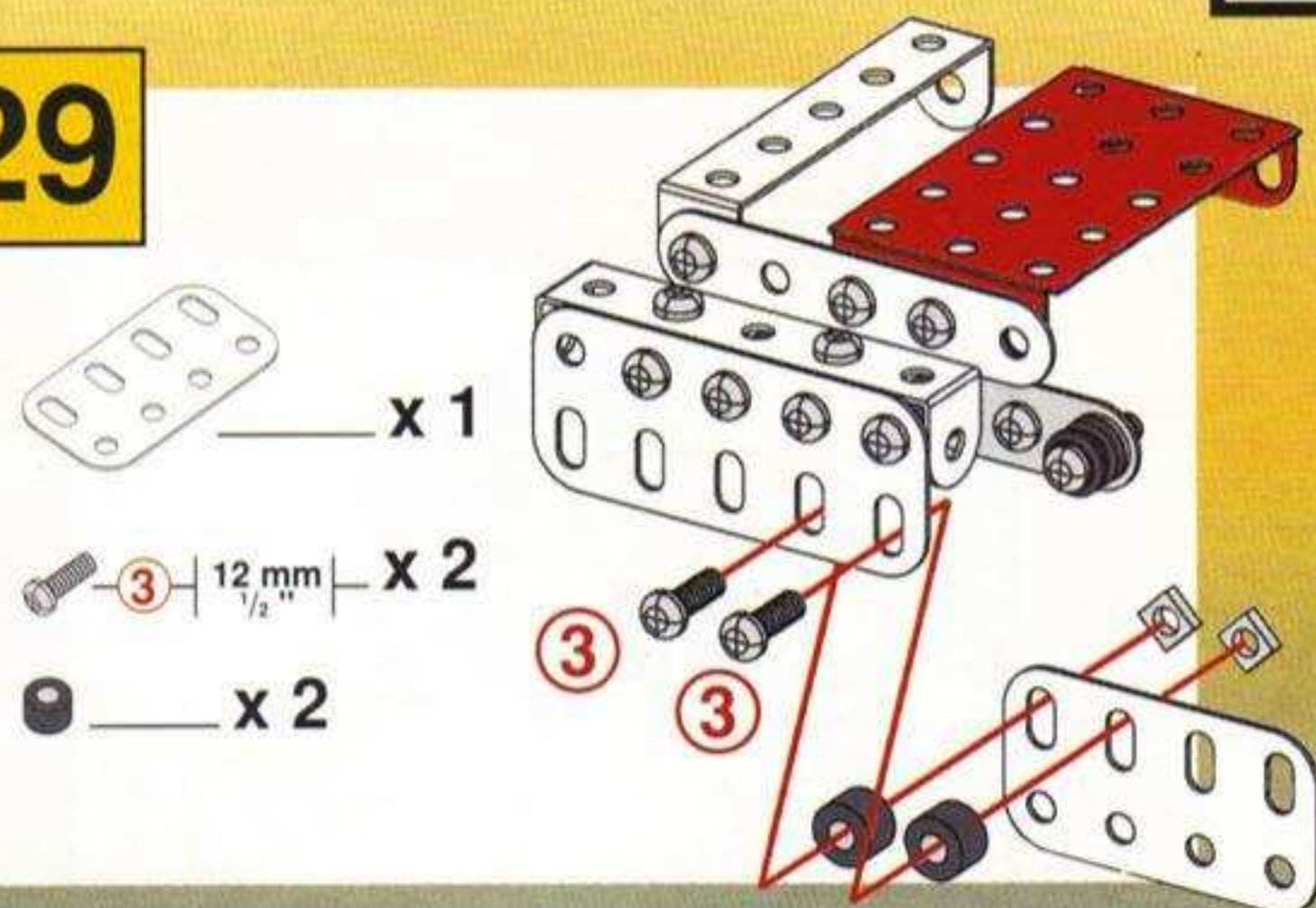


28

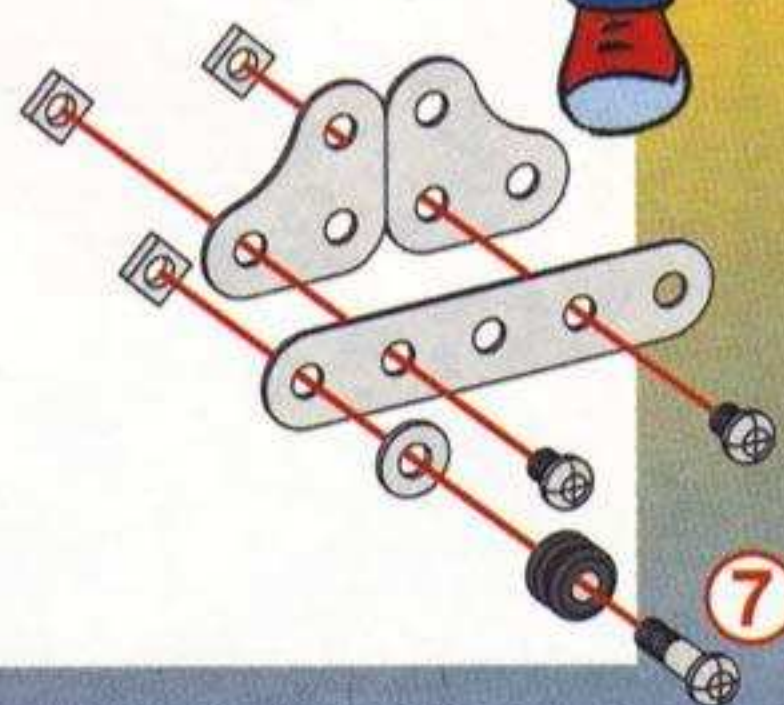
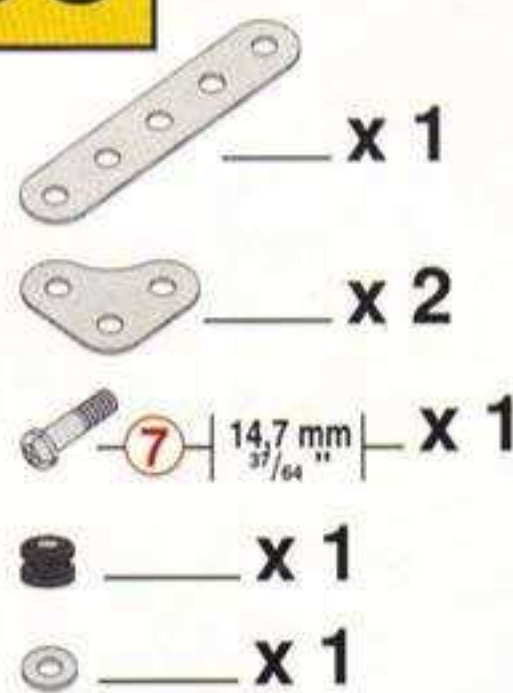
26 + 27 +



29

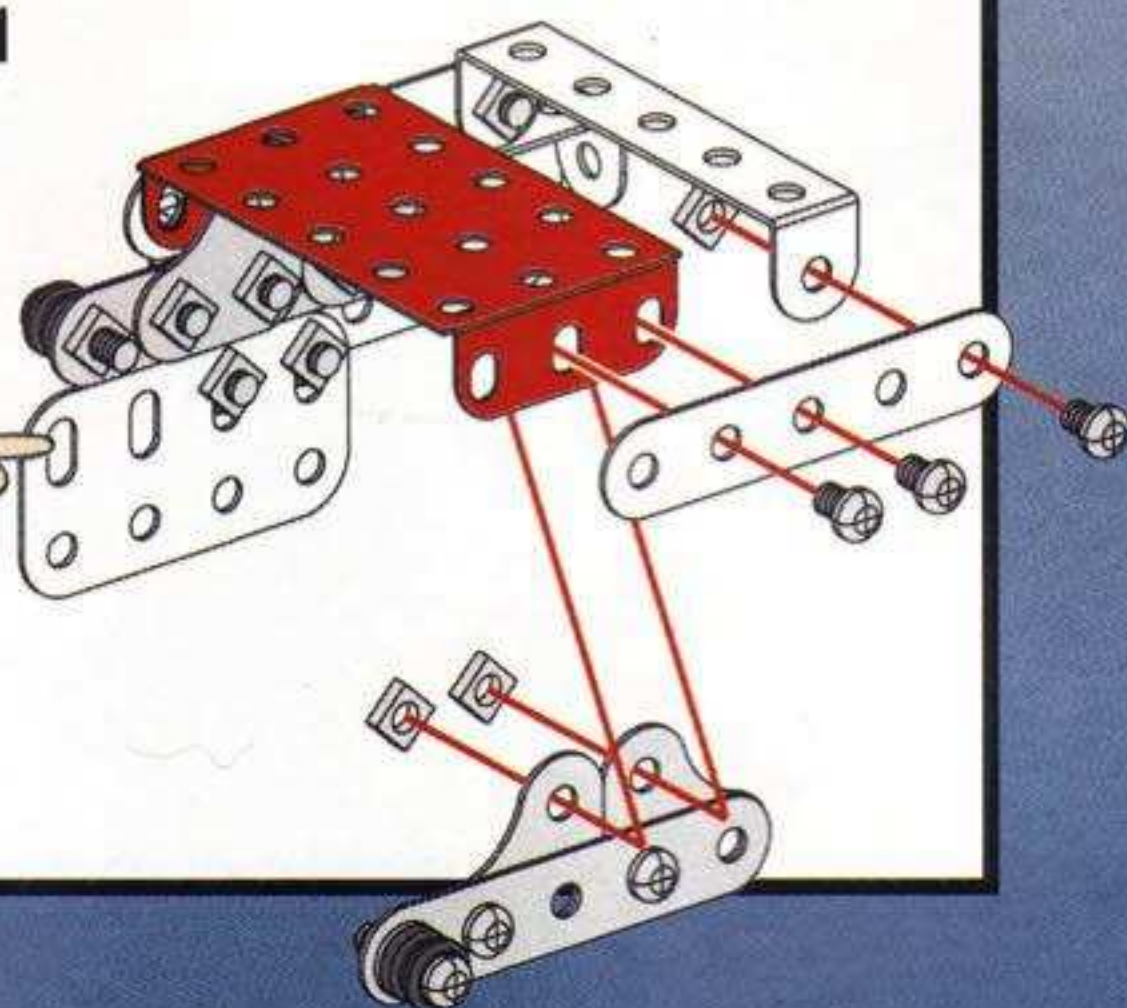
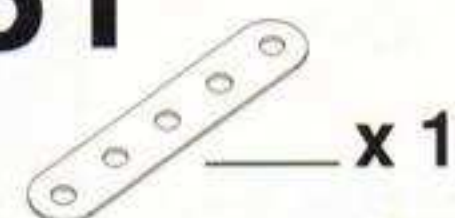


30

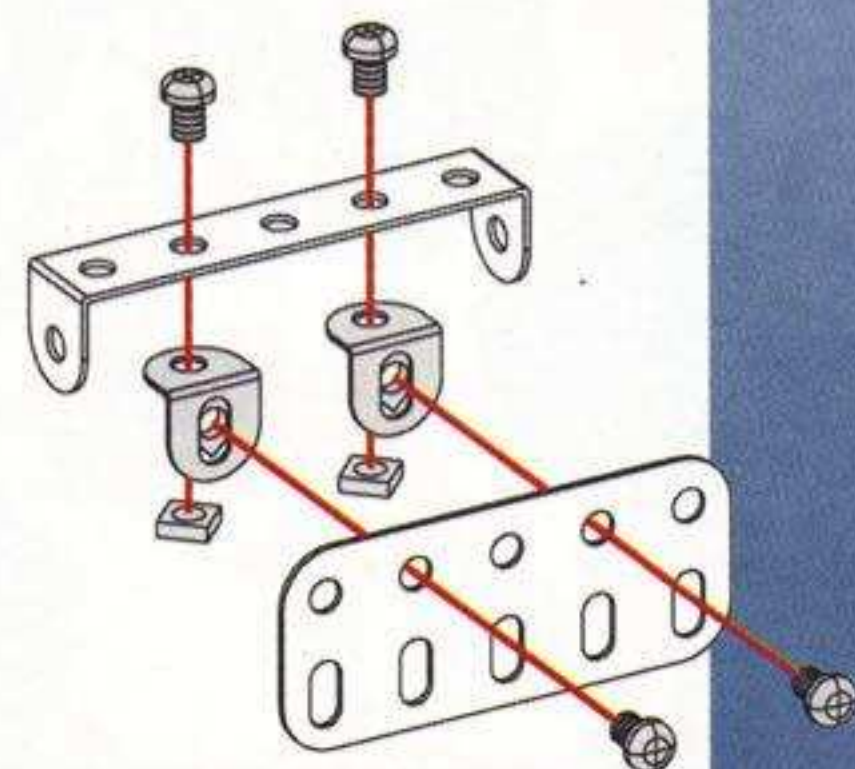
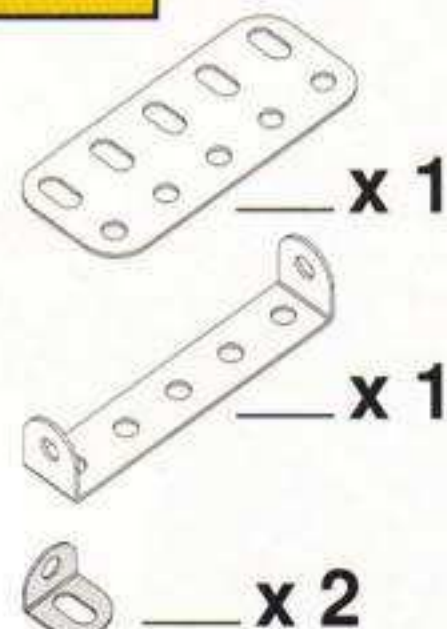


31

29 + 30 +



32



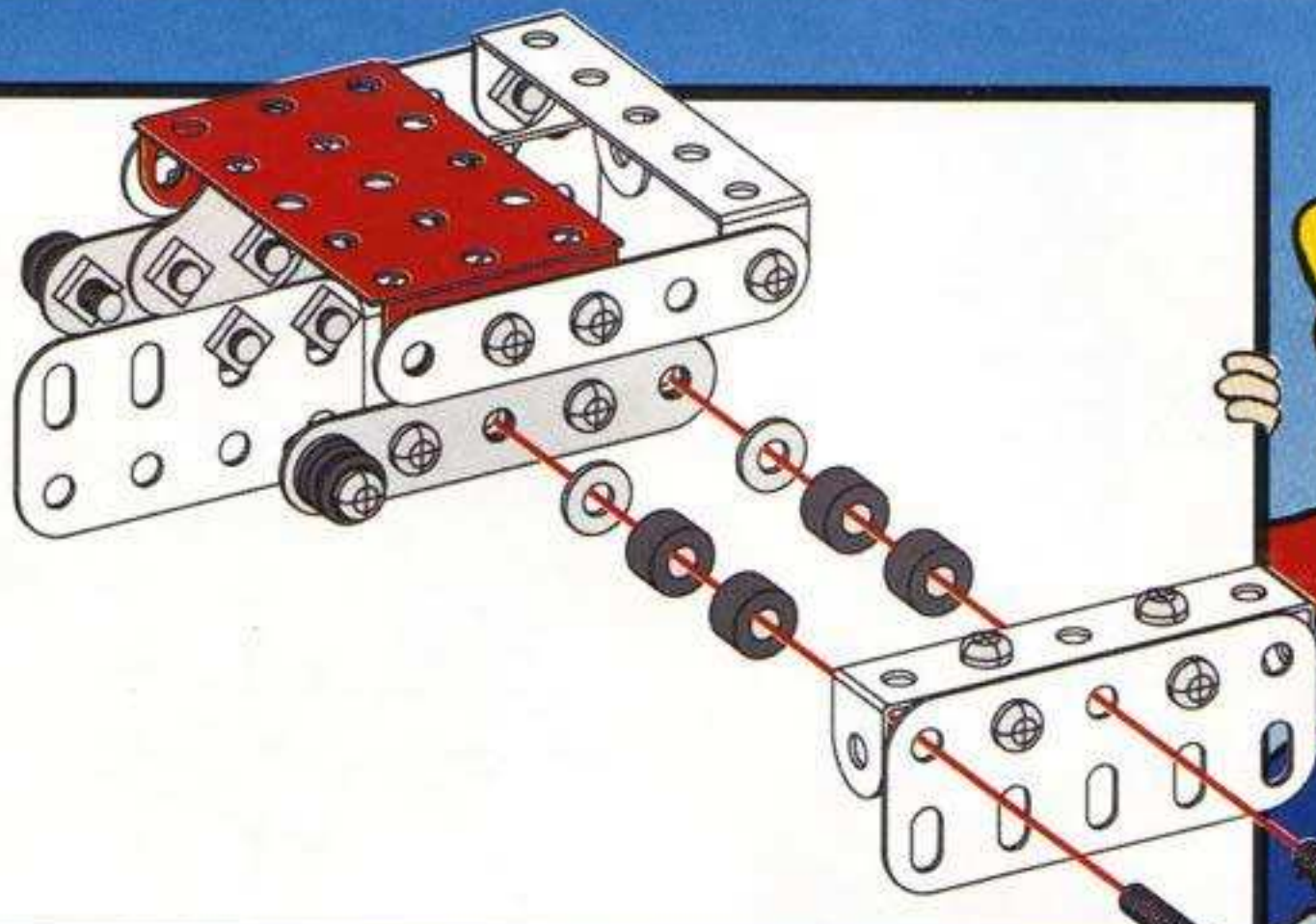
33

31 + **32** +

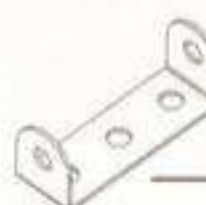
 2 | 19 mm | $\frac{3}{4}$ " | x 2

 x 4

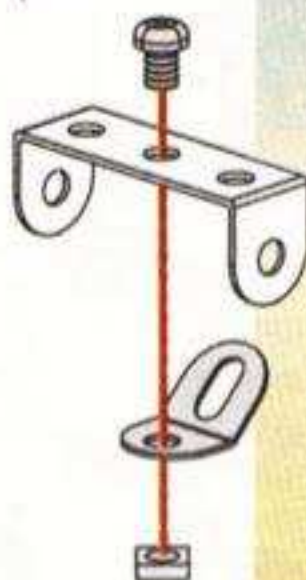
 x 2



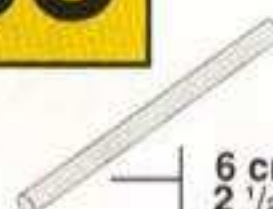
34

 x 1

 x 1



35

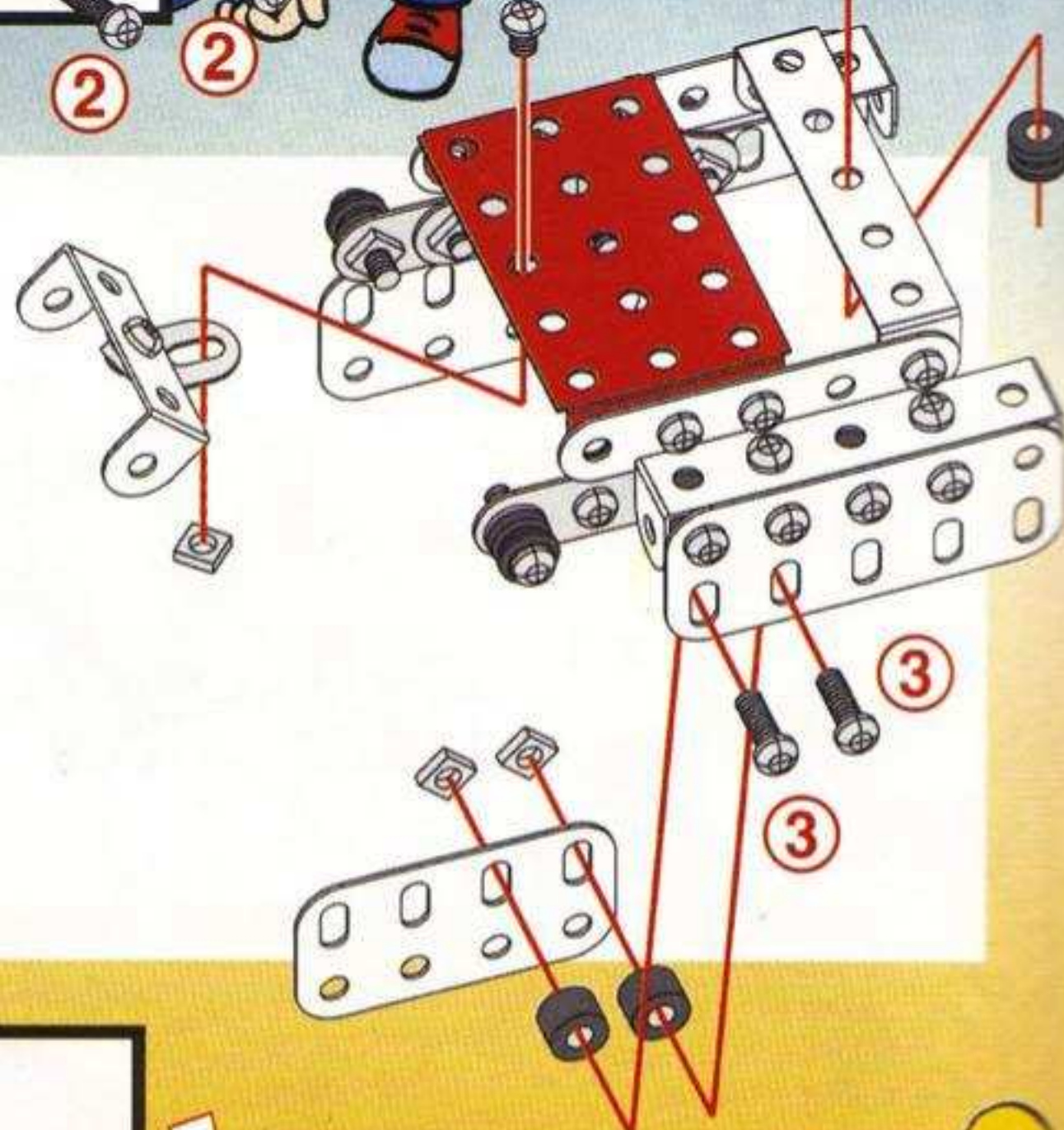
 6 cm | $2\frac{1}{2}$ " | x 1

 x 1

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

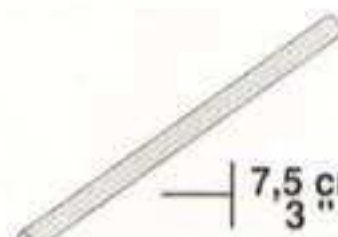
 x 2

 x 2

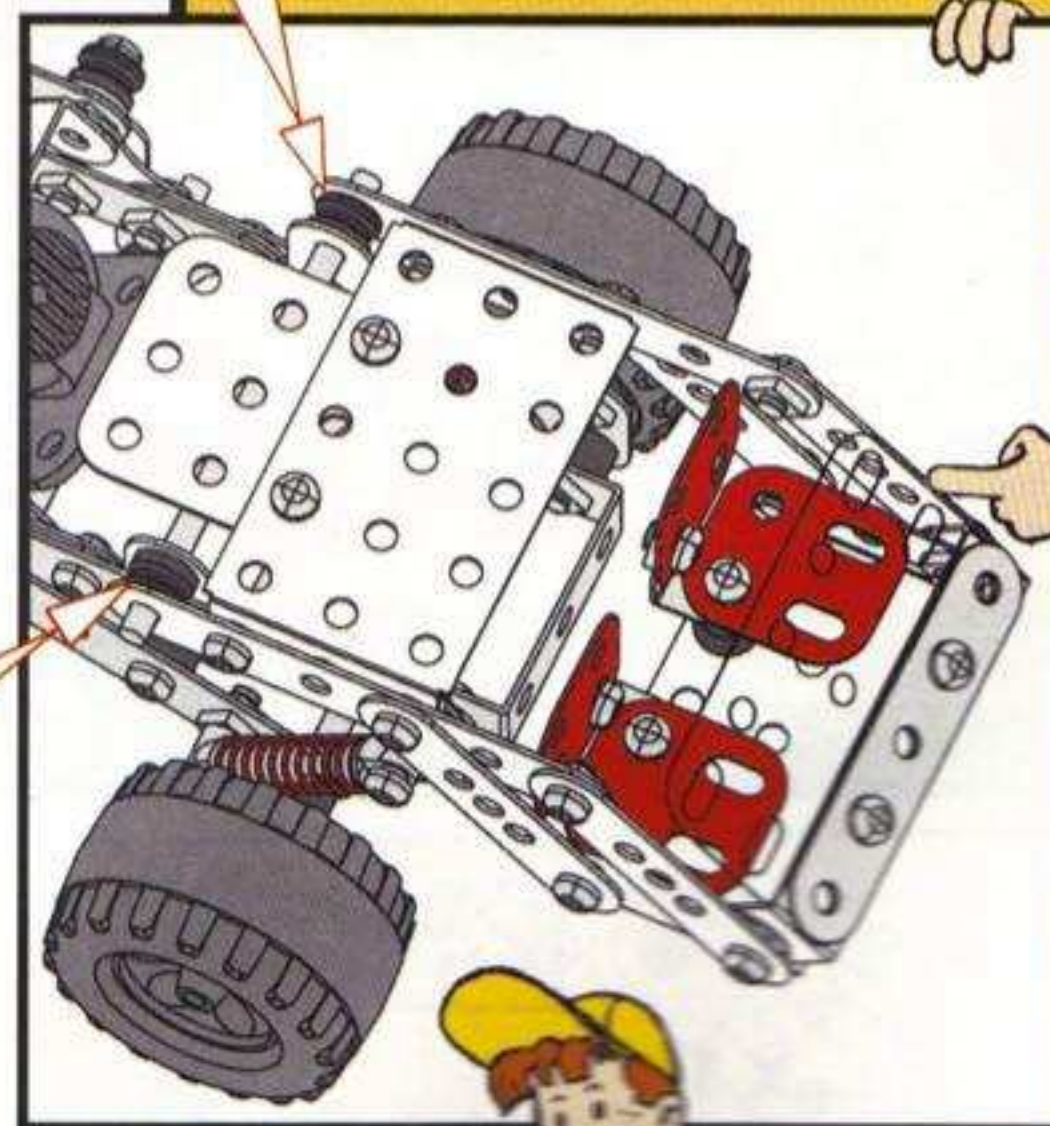
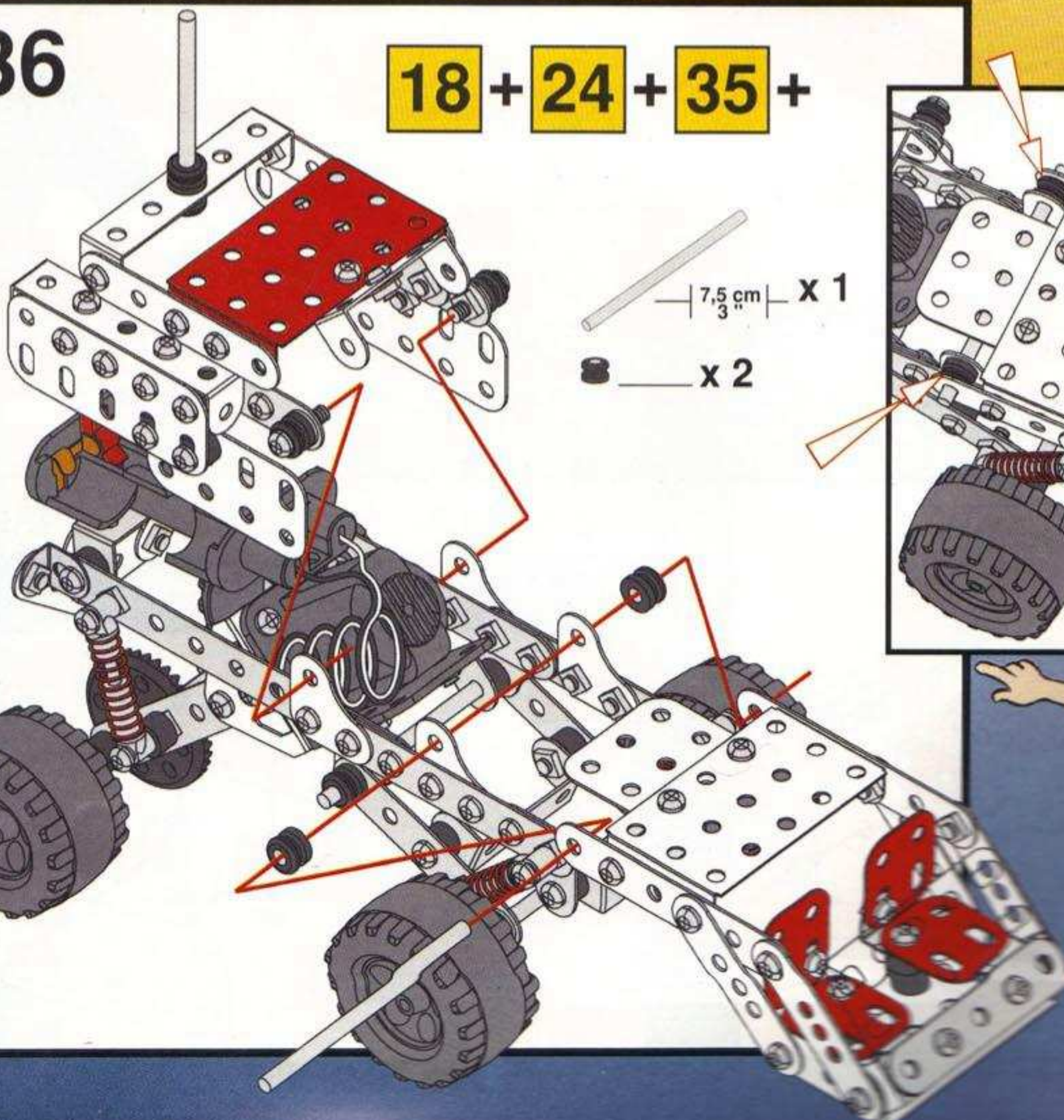


36

18 + **24** + **35** +

 7,5 cm | $3\frac{1}{3}$ " | x 1

 x 2



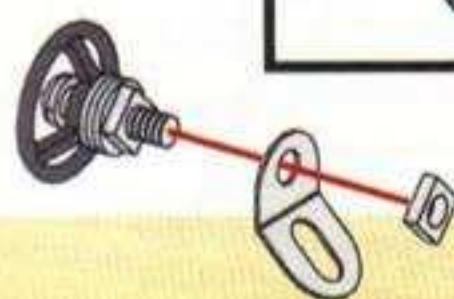
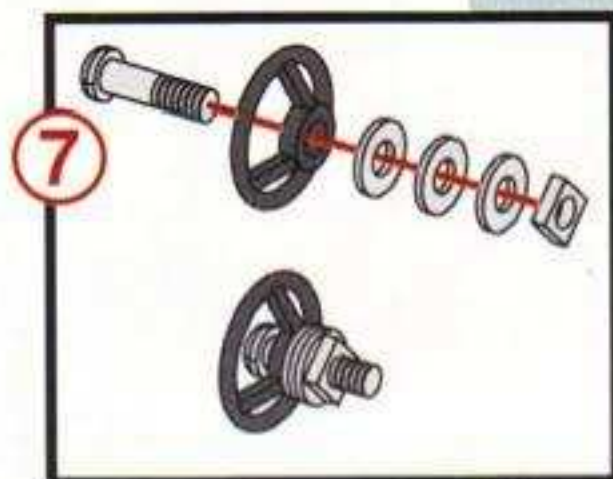
1

 — x 1

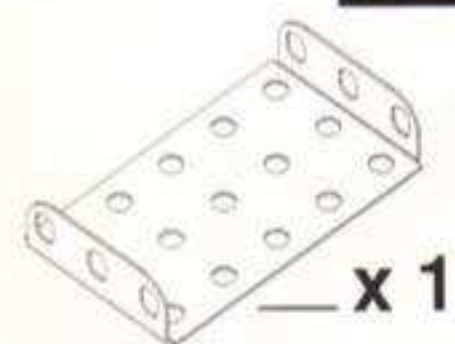
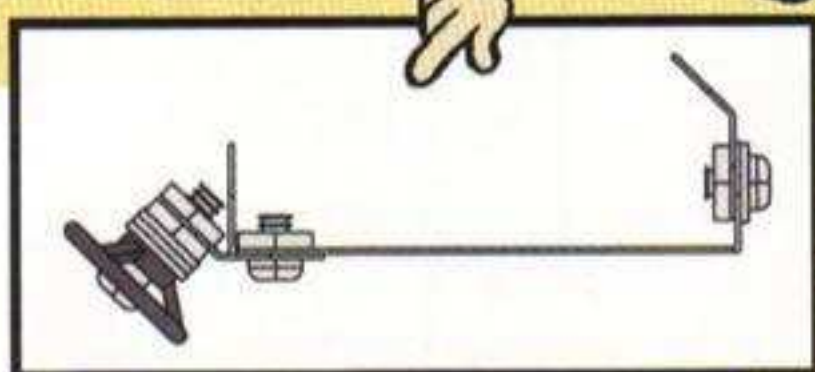
 — x 1

 — 7 — 14.7 mm — x 1

 — x 3

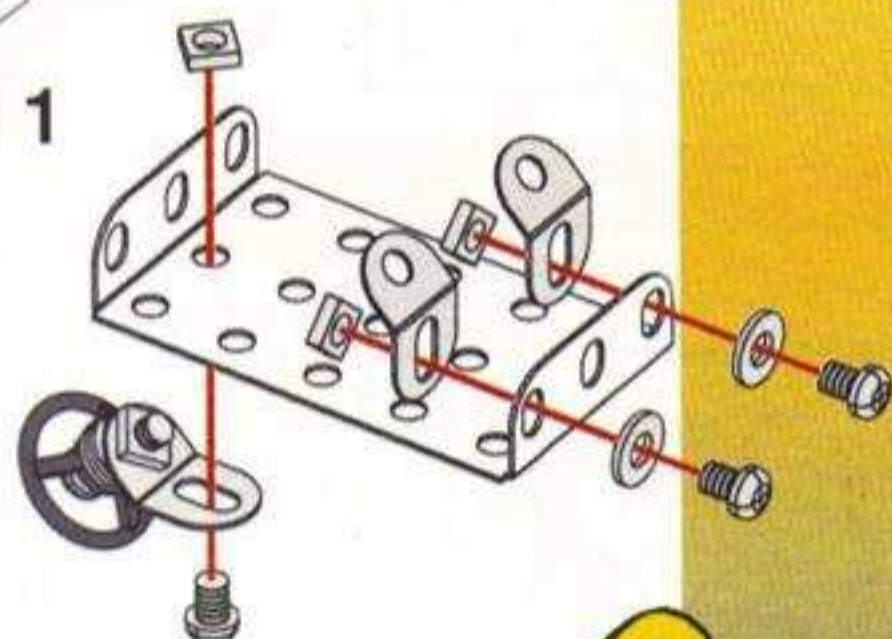


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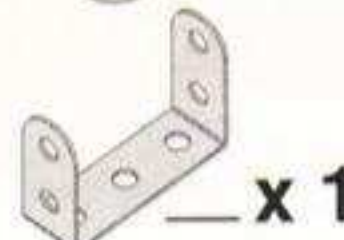
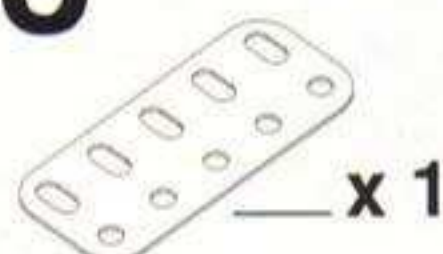


 — x 2

 — x 2

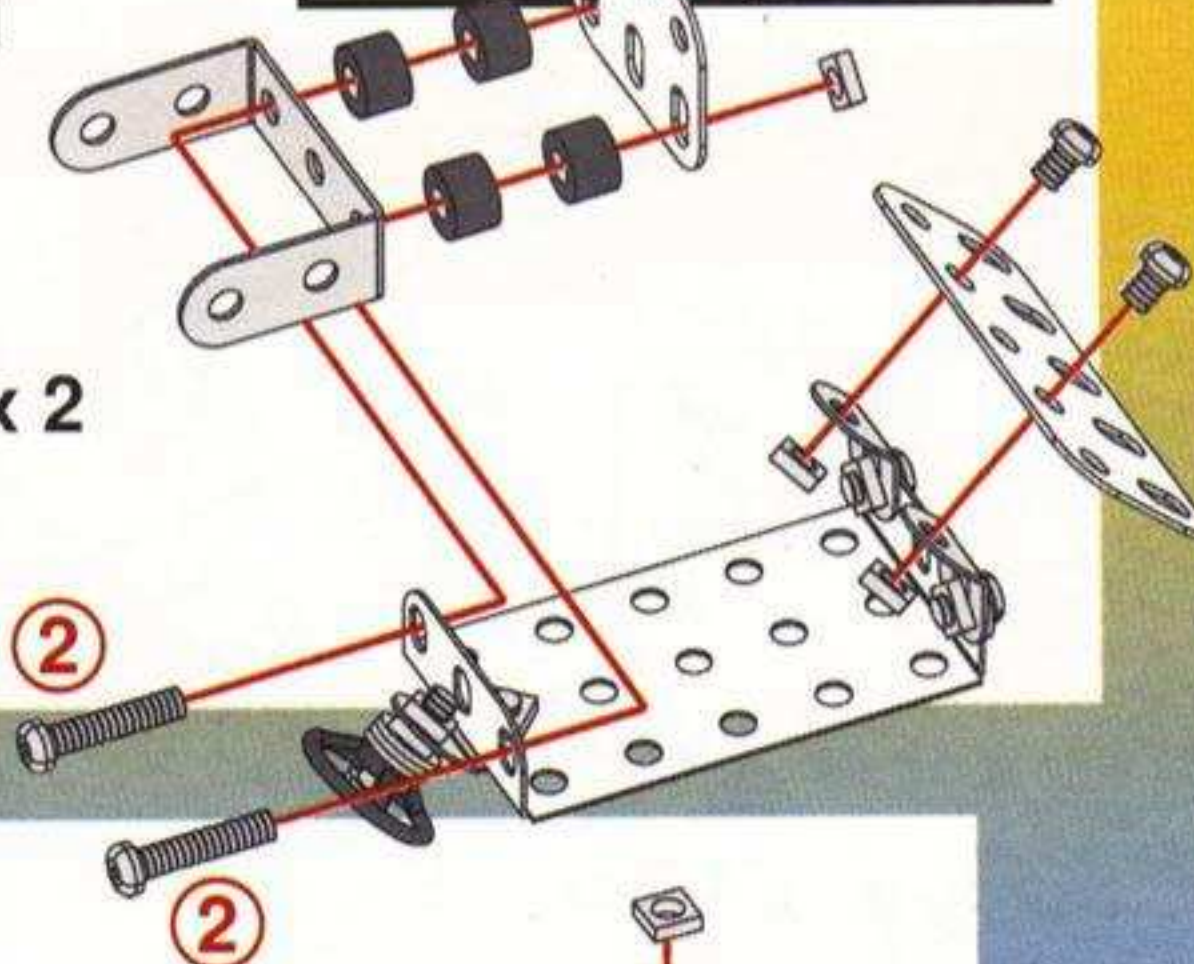
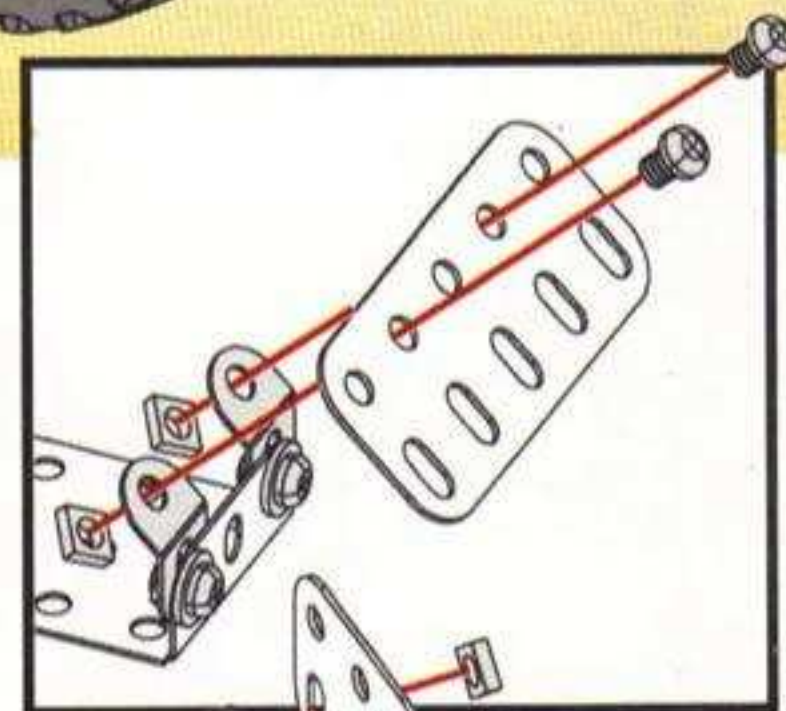


3

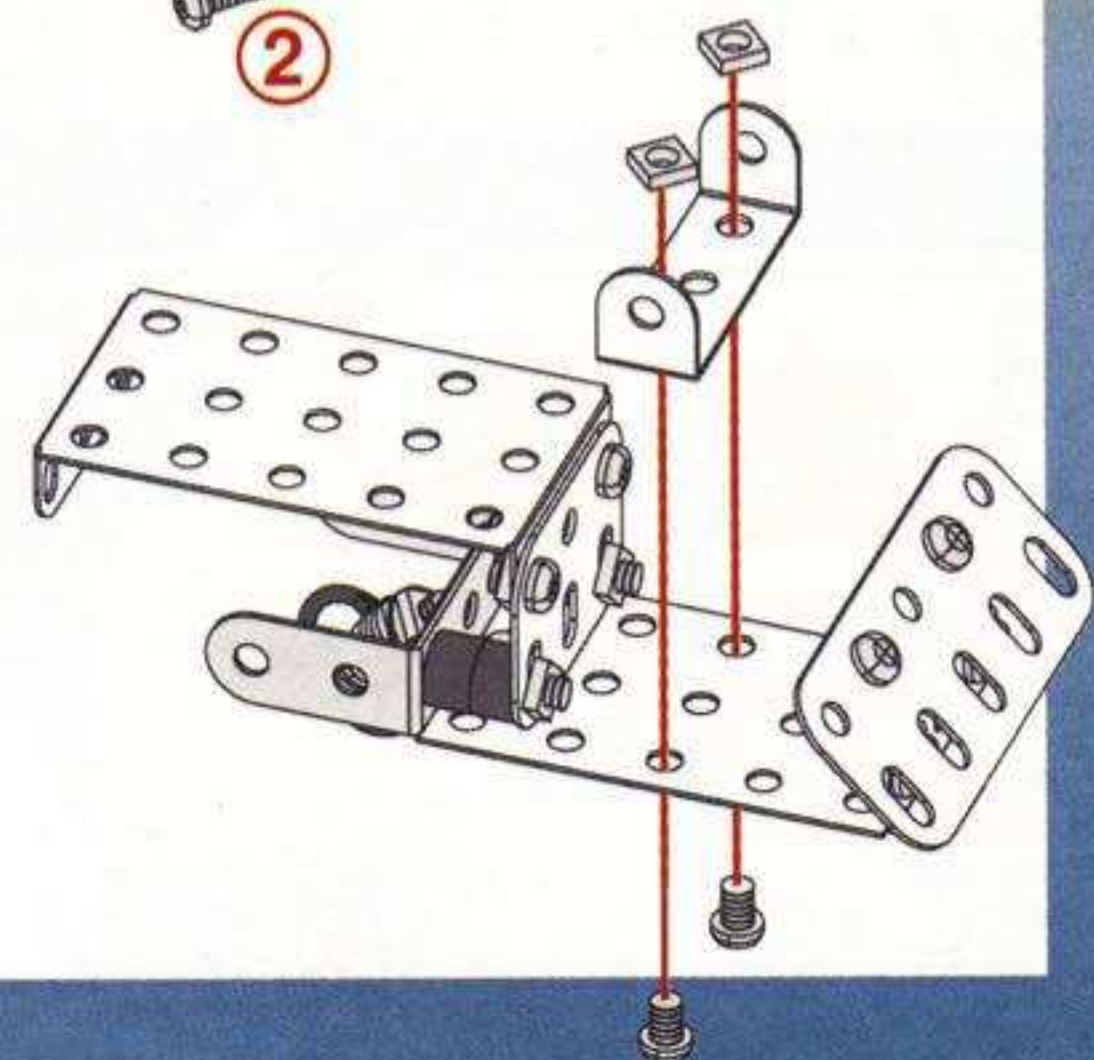
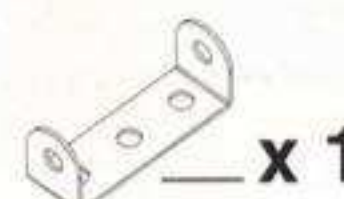


 — 2 — 19 mm — x 2

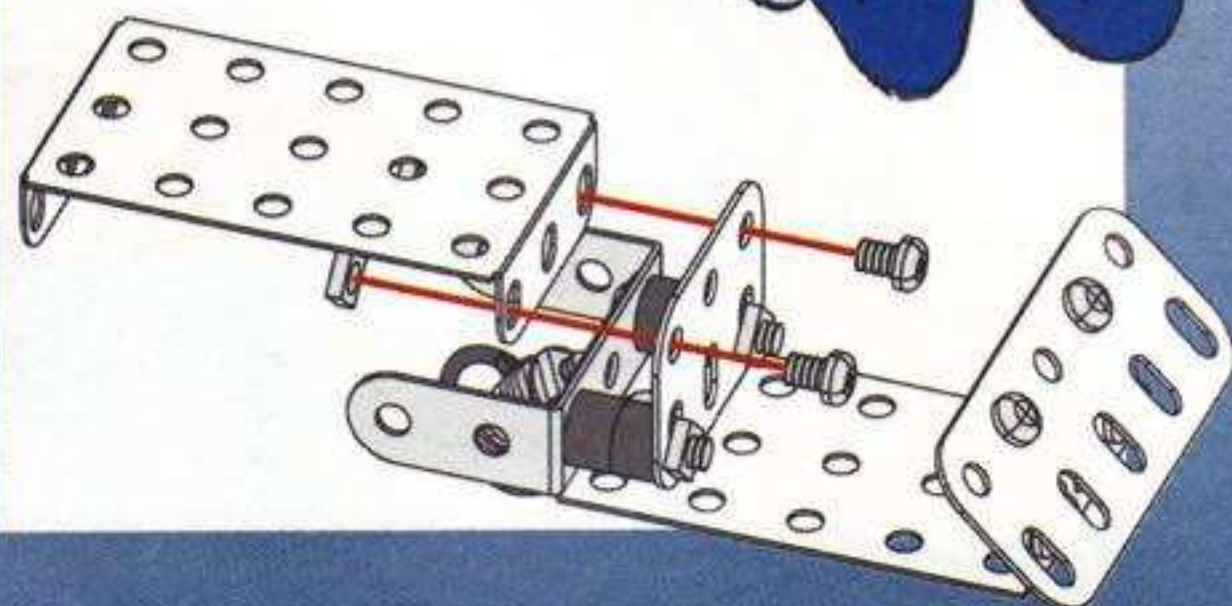
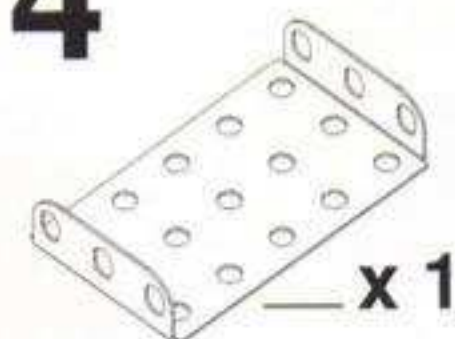
 — x 4



5

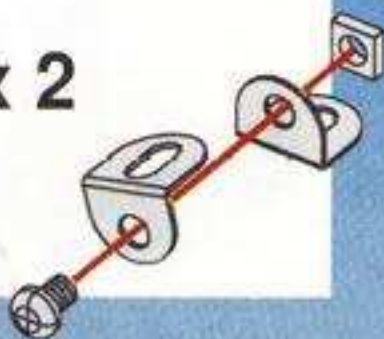


4



6

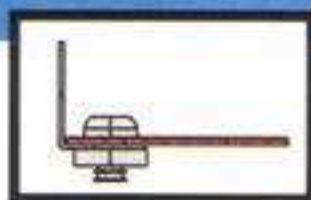
— x 2



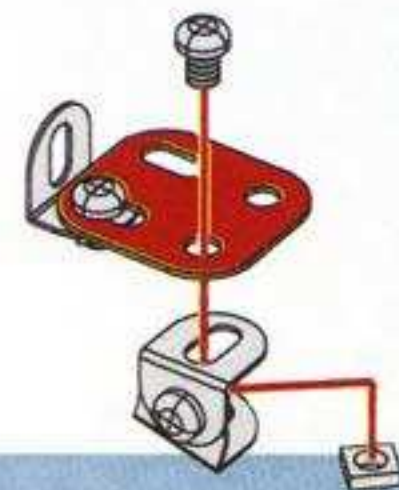
7

— x 1

— x 1

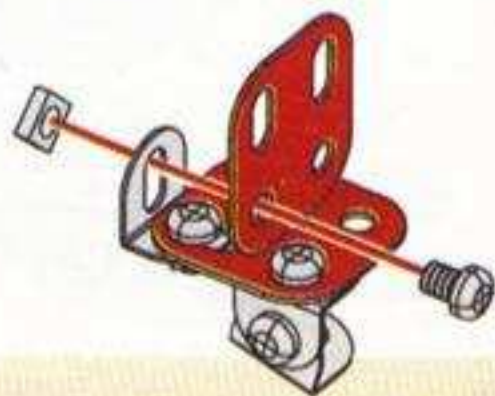


8



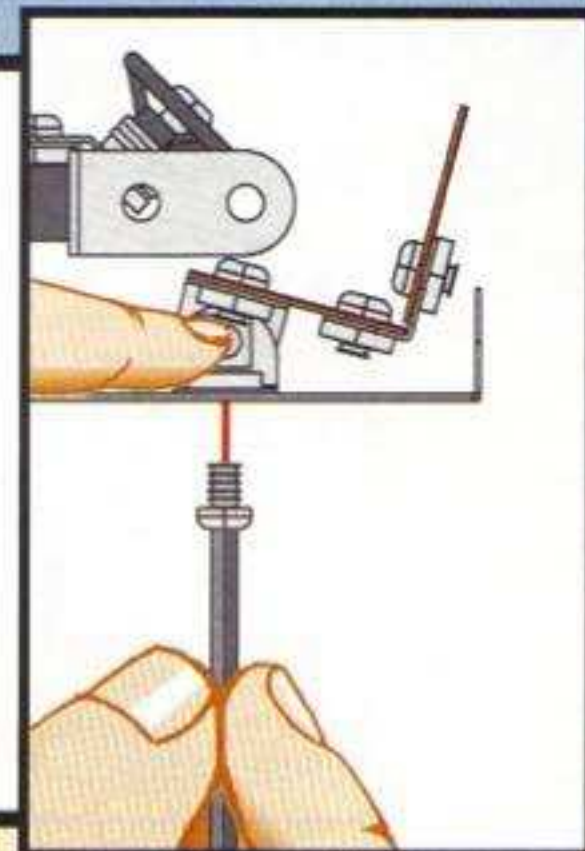
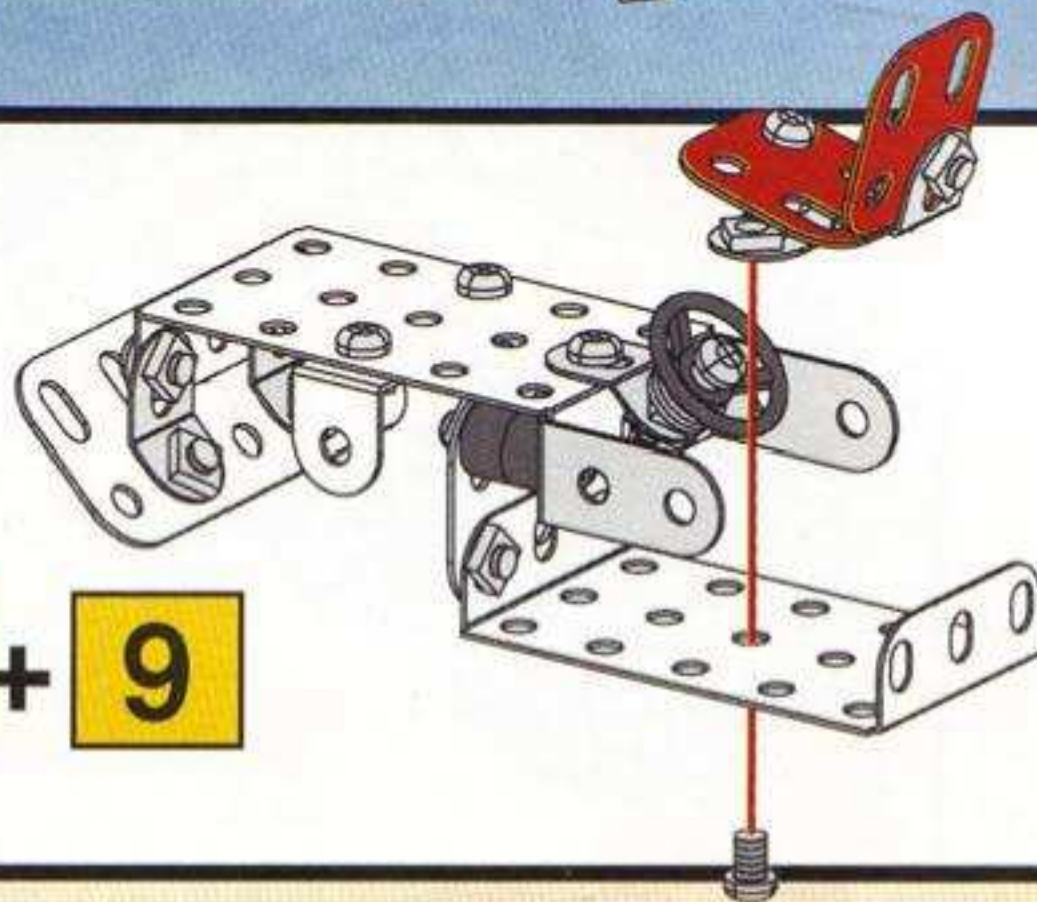
9

— x 1



10

5 + 9



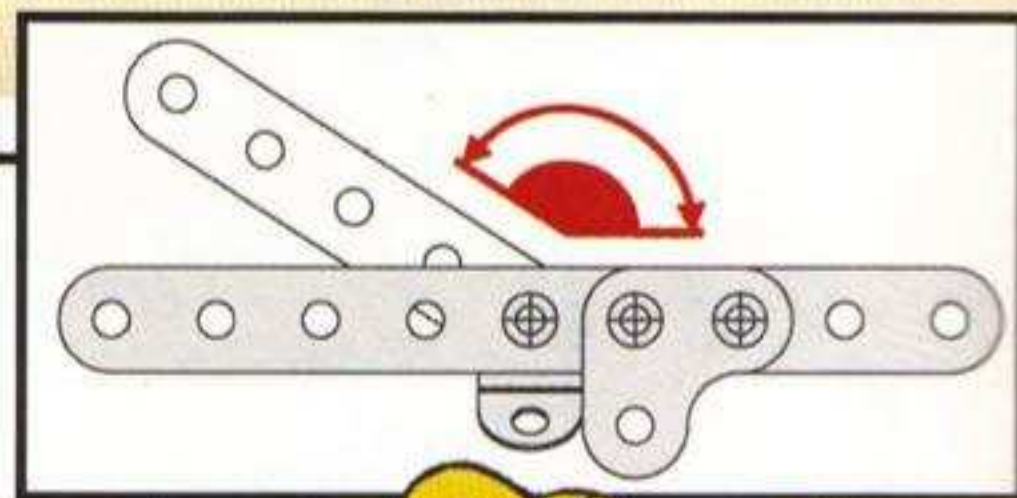
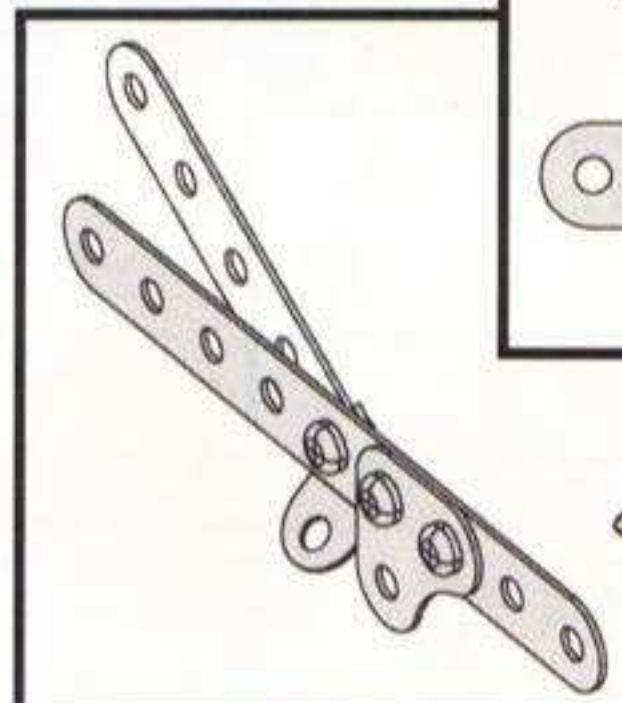
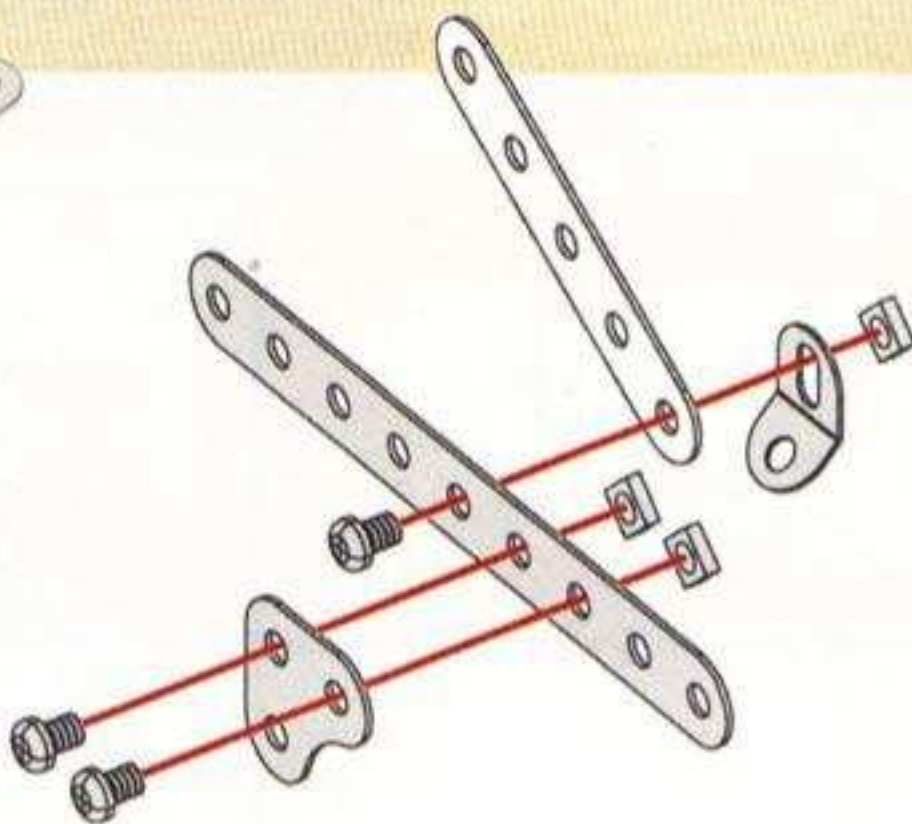
11

— x 1

— x 1

— x 1

— x 1



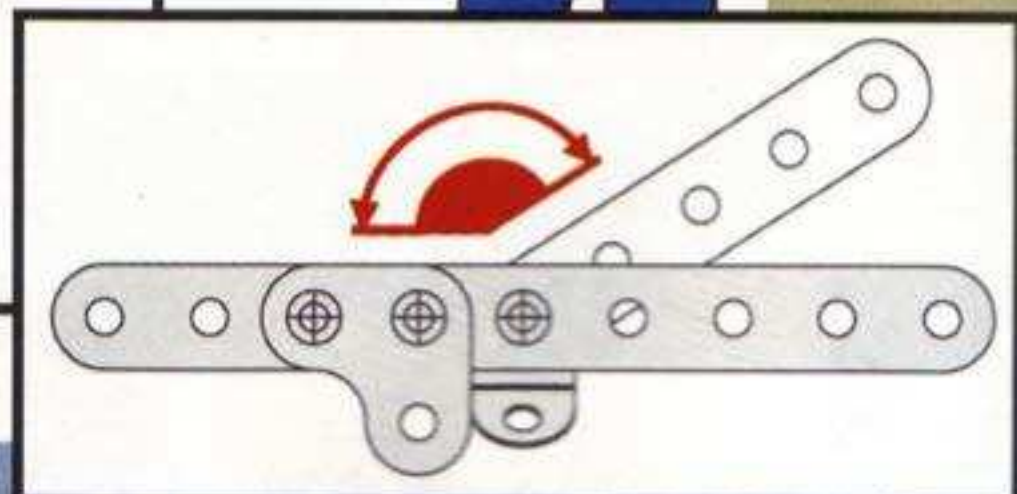
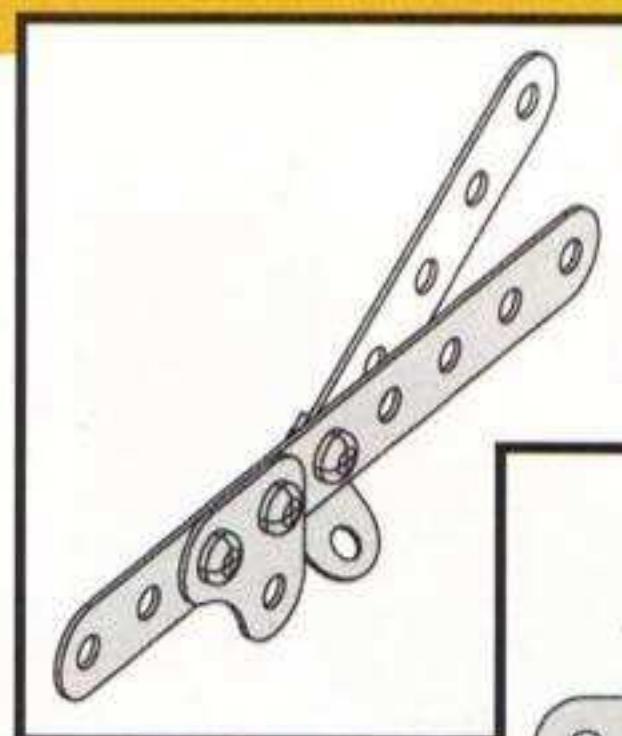
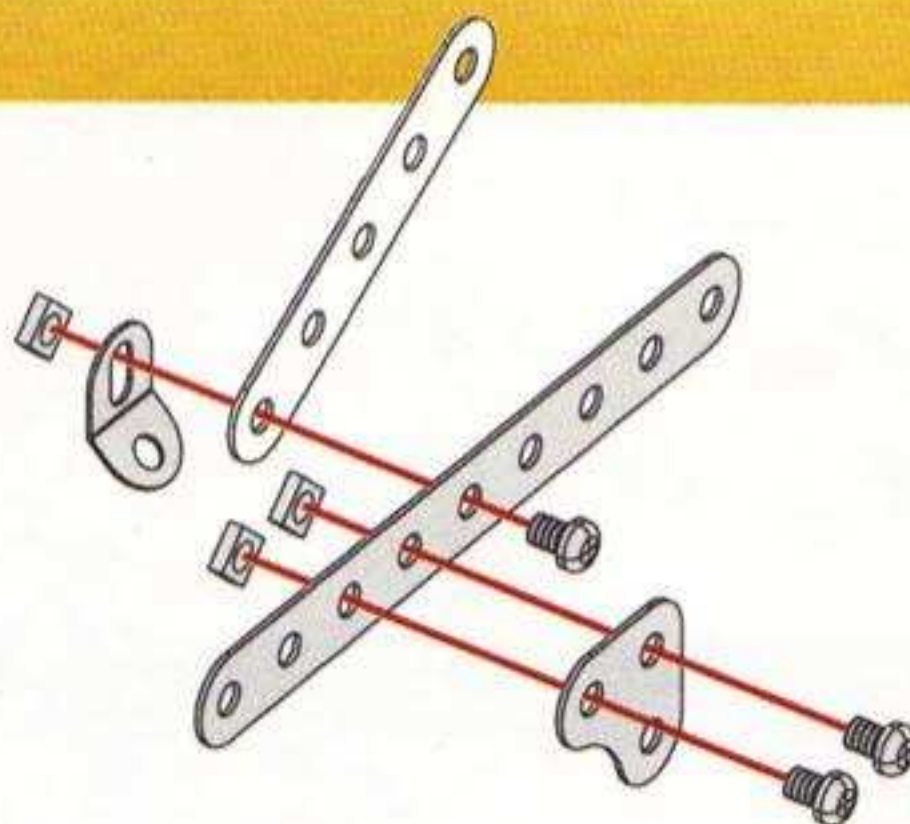
12

— x 1

— x 1

— x 1

— x 1



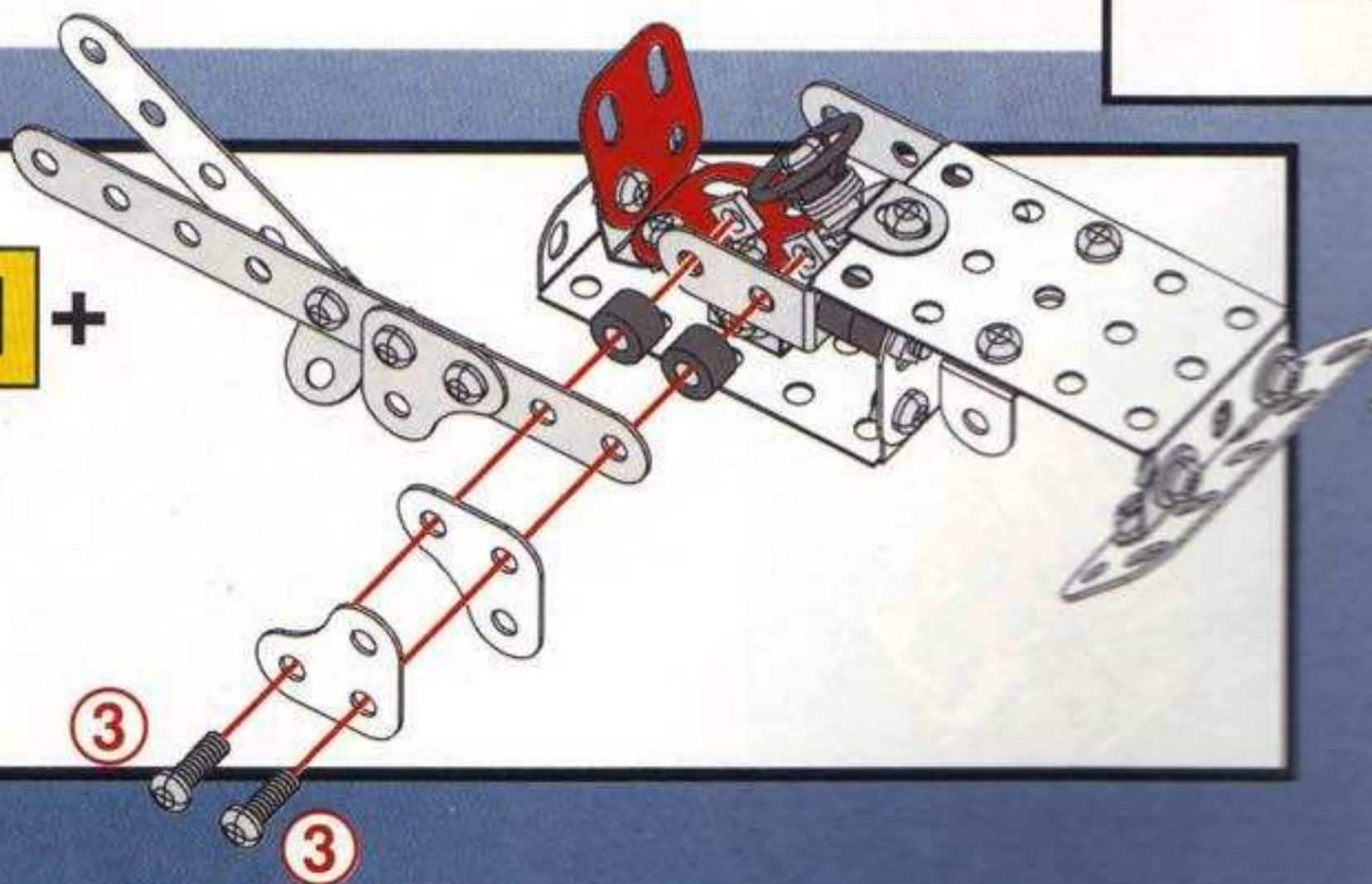
13

10 + 11 +

— x 2

— 3 — 12 mm — x 2

— x 2



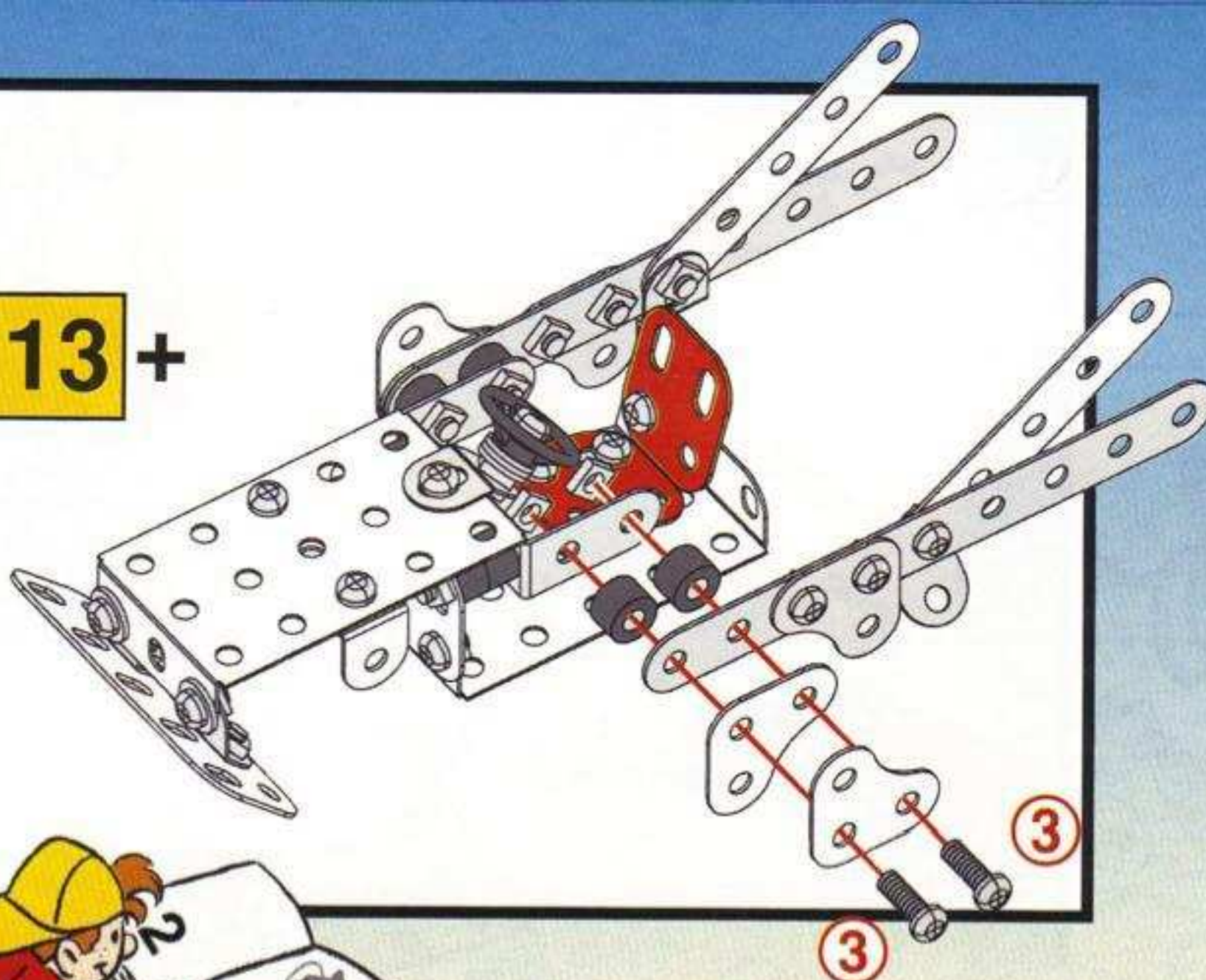
14

12 + 13 +

— x 2

③ — 12 mm — x 2

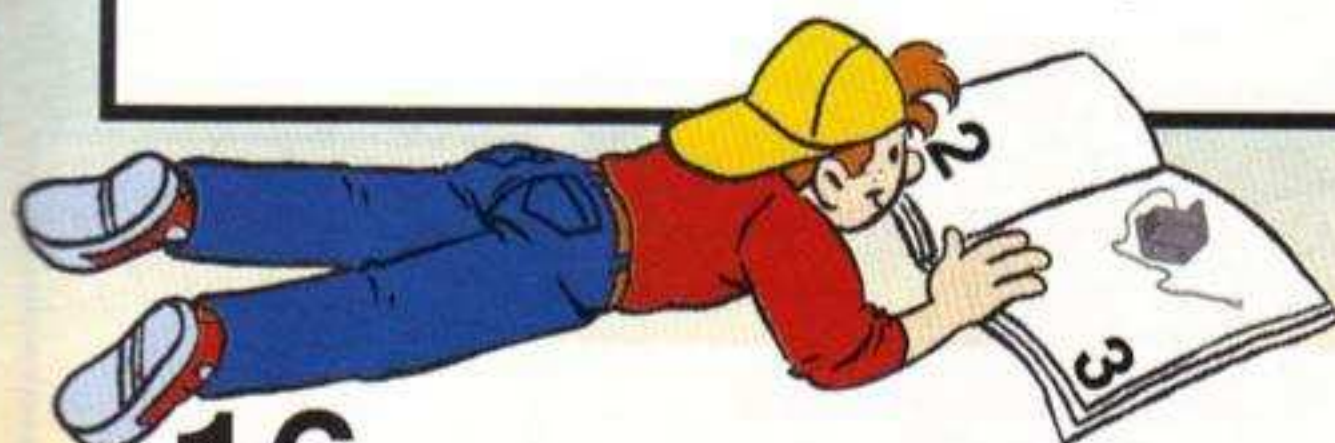
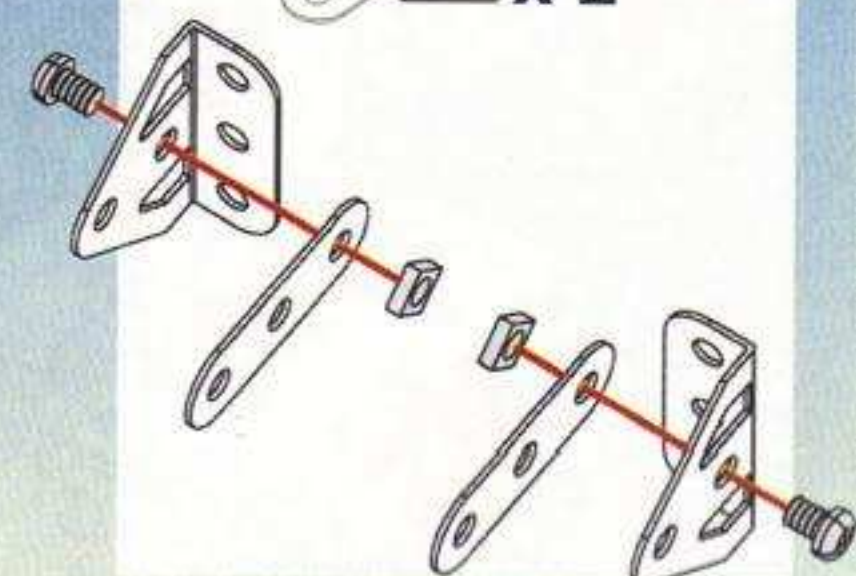
— x 2



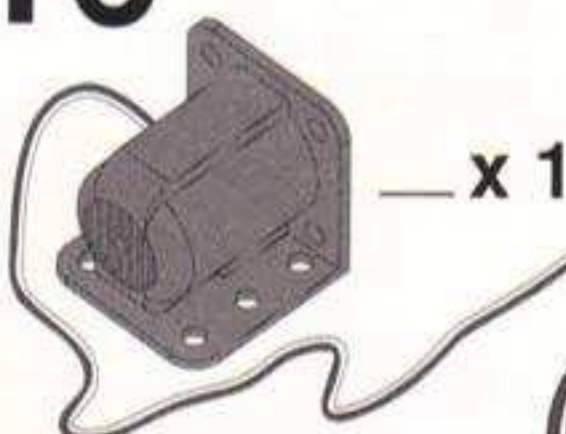
15

— x 2

— x 2

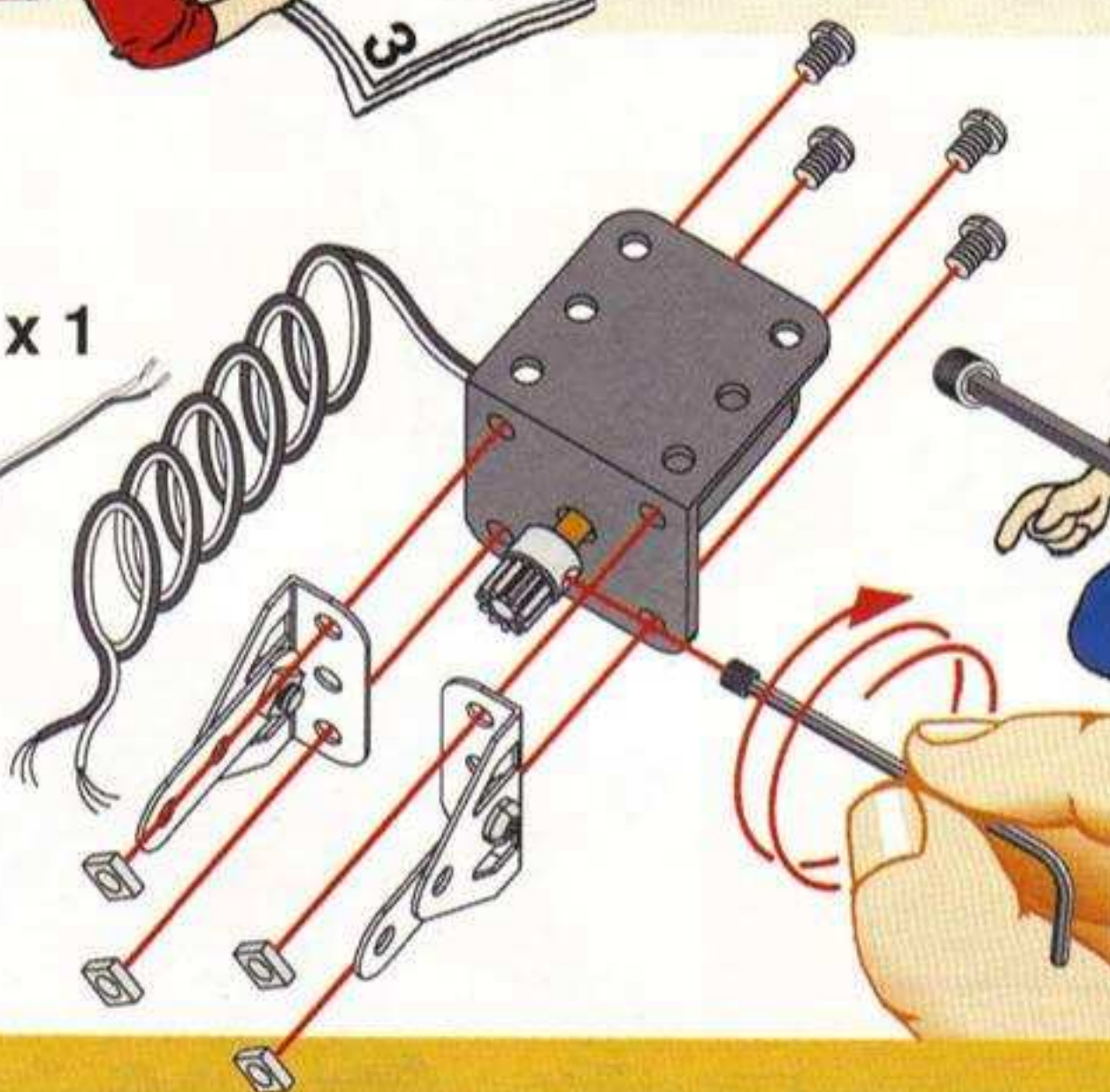


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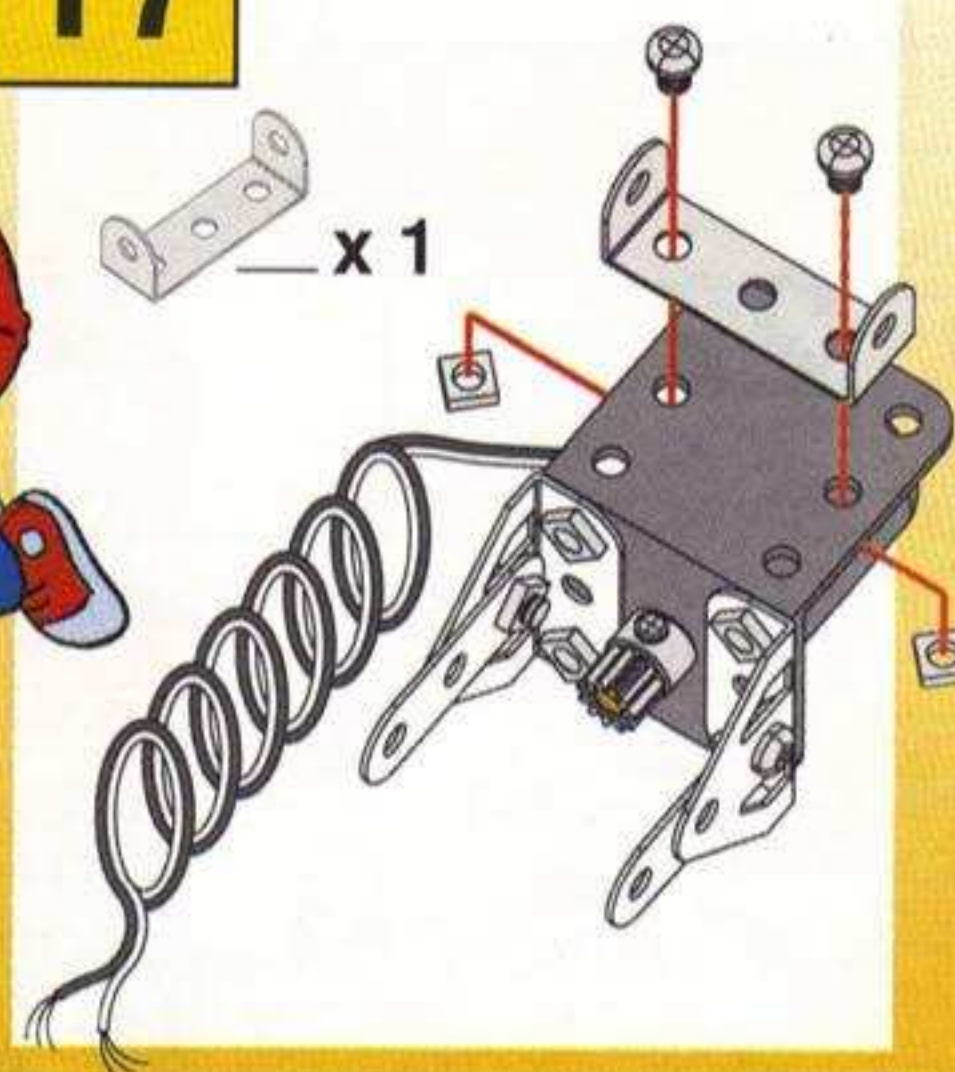
— x 1

— x 1



17

— x 1

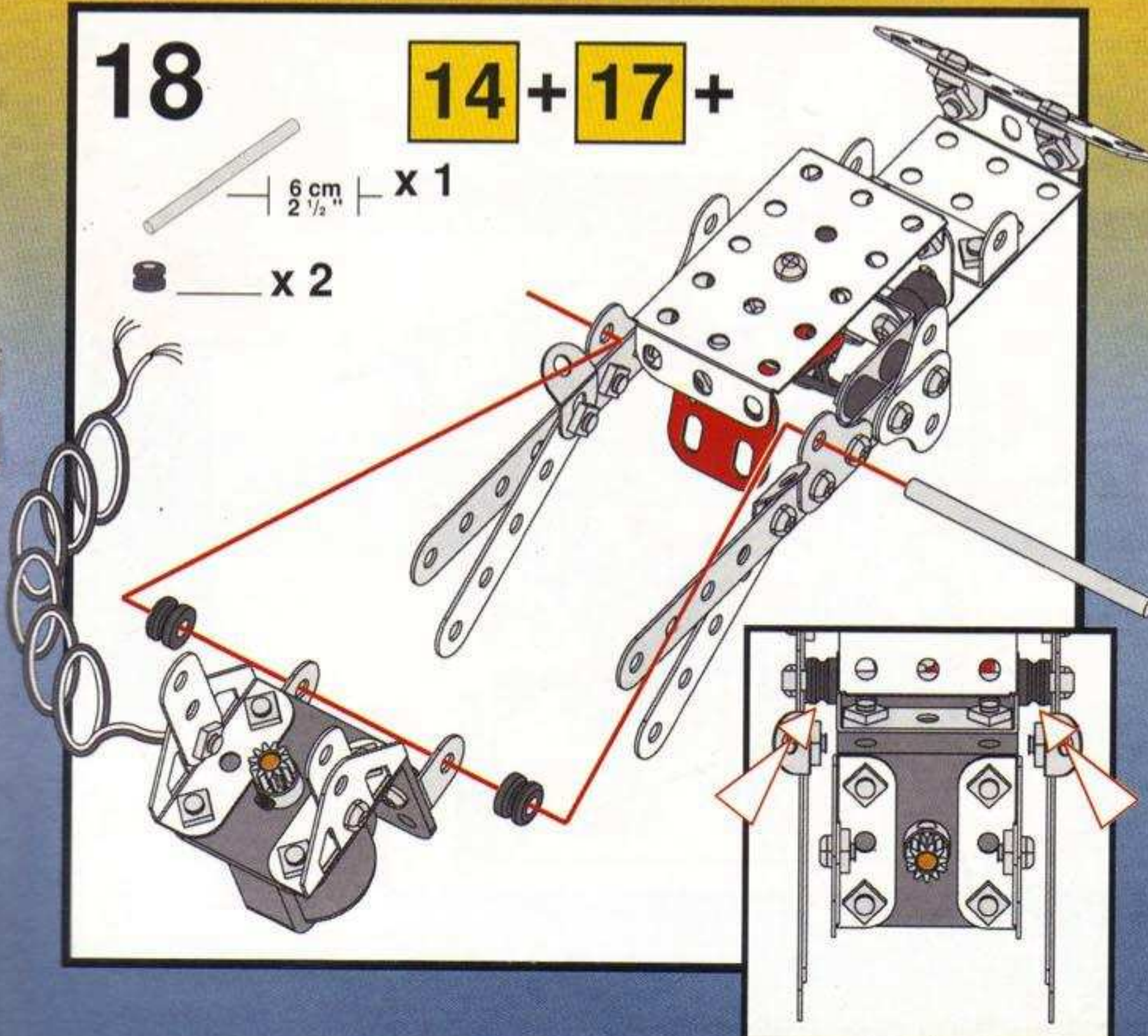


18

14 + 17 +

— 6 cm — x 1

— x 2



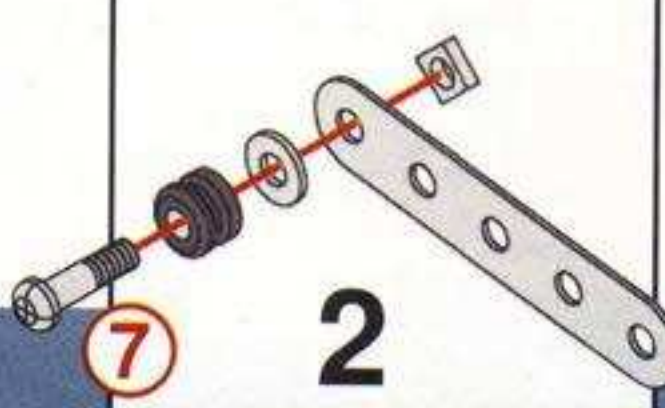
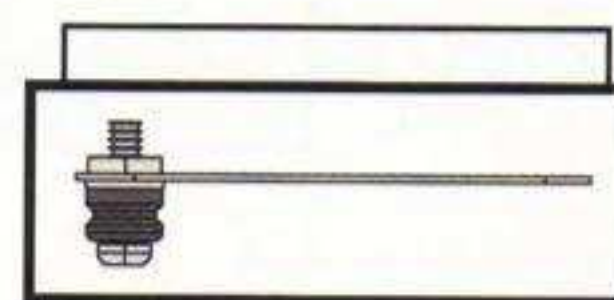
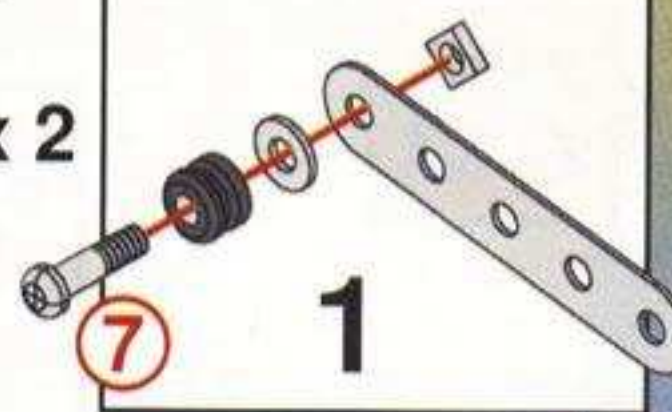
19

— x 2

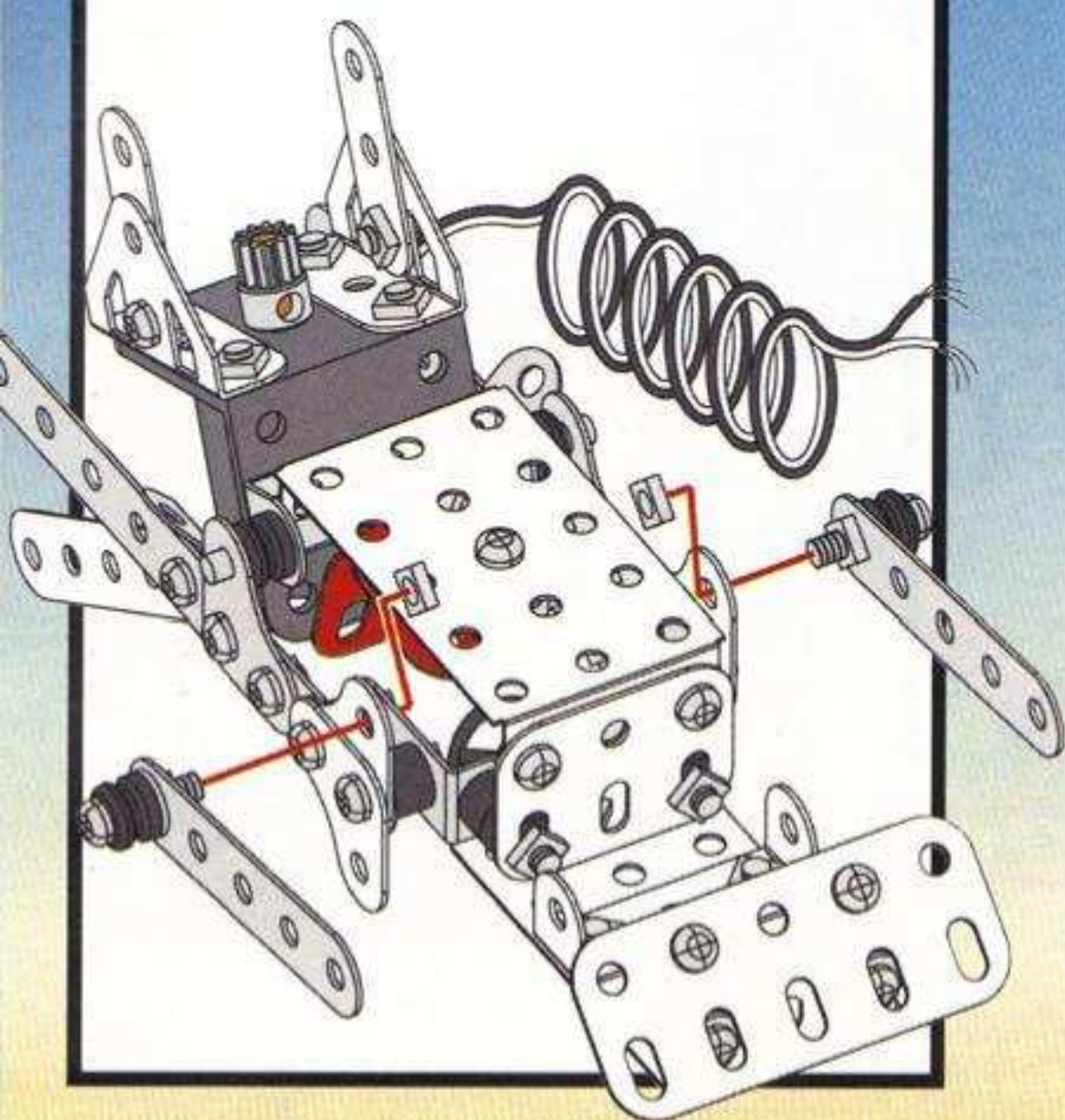
⑦ — 14,7 mm — x 2

— x 2

— x 2

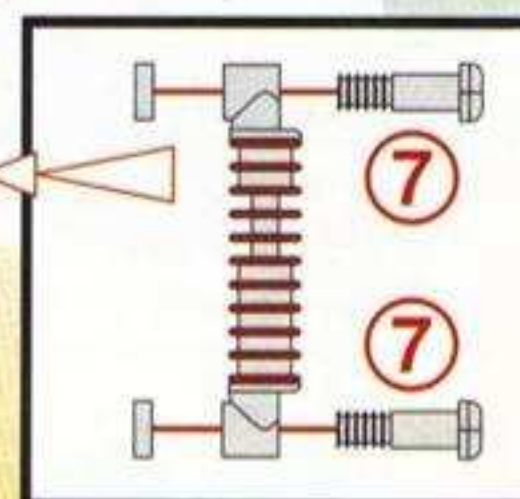
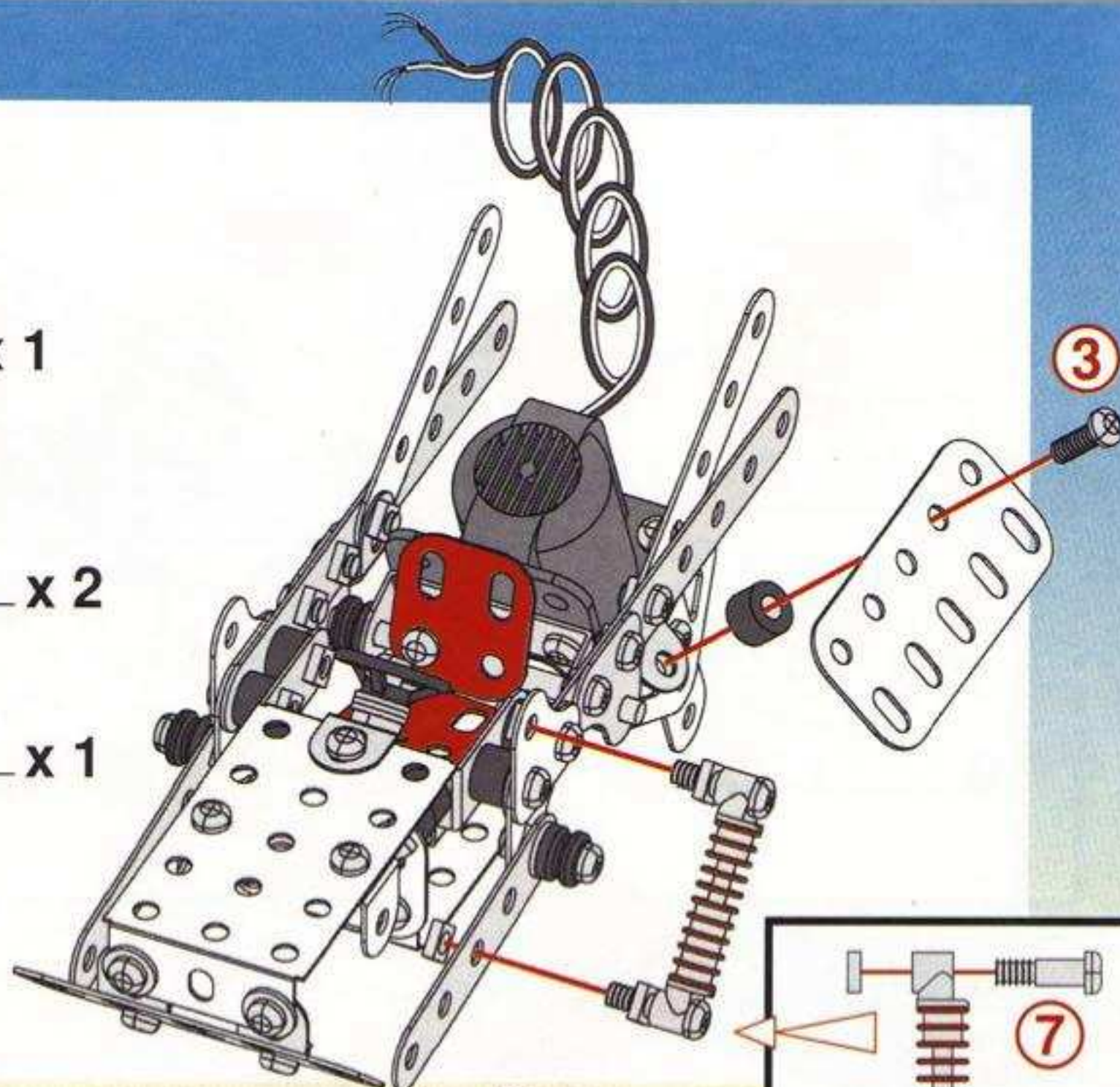


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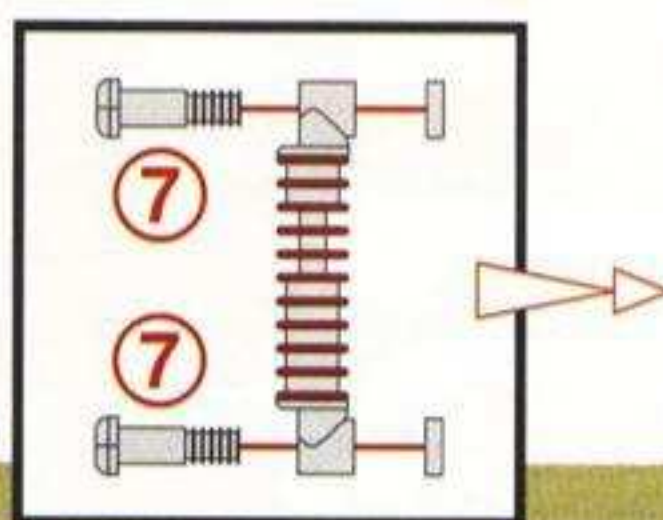
21

- x 1
- x 1
- 14,7 mm $\frac{37}{64}$ x 2
- x 1
- 12 mm $\frac{1}{2}$ x 1



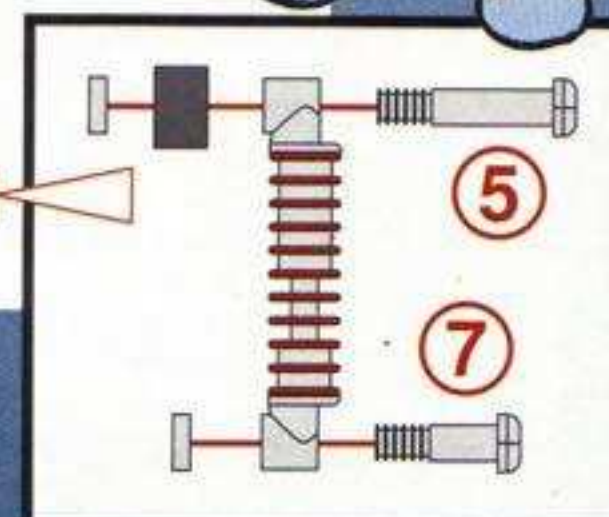
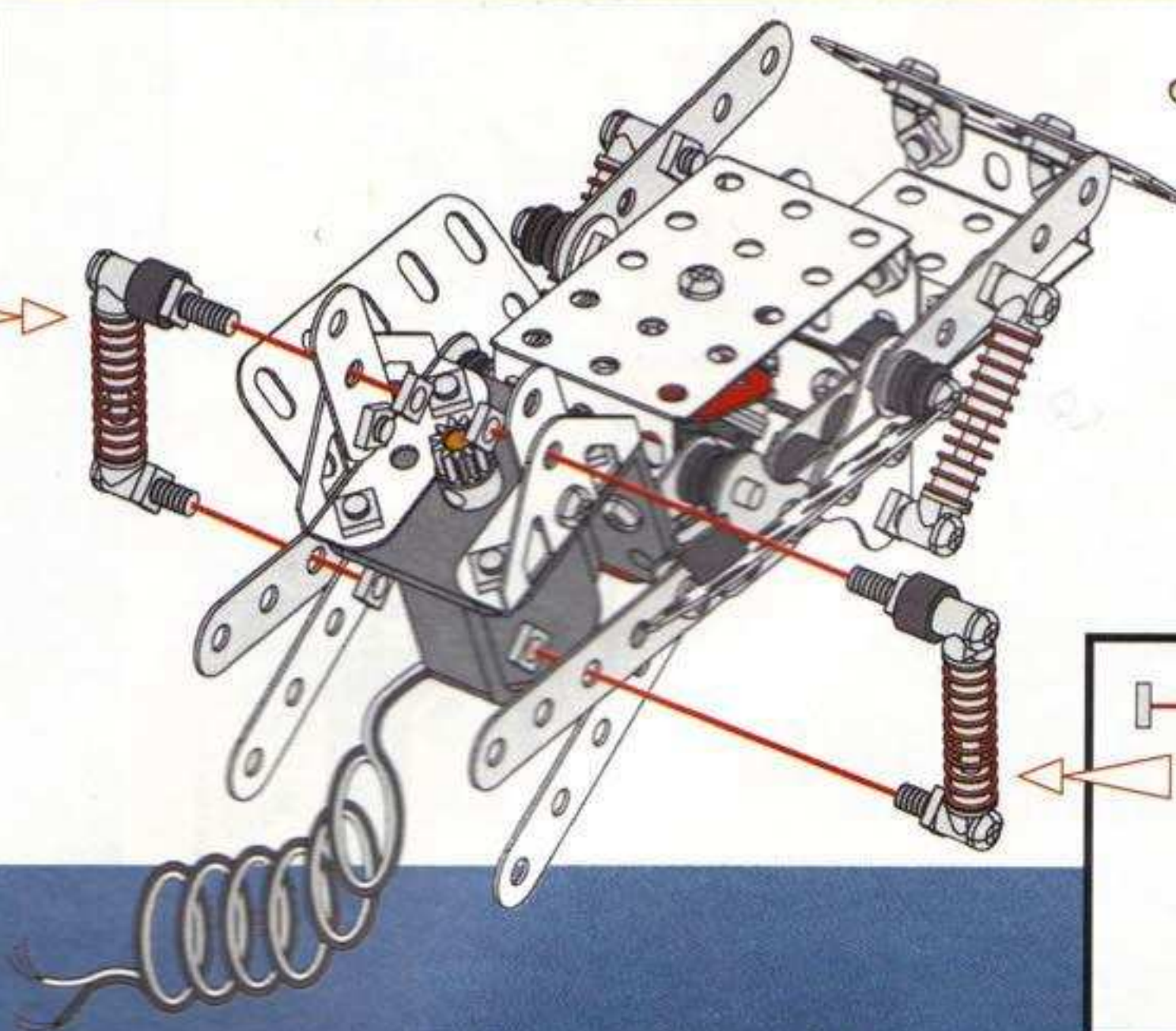
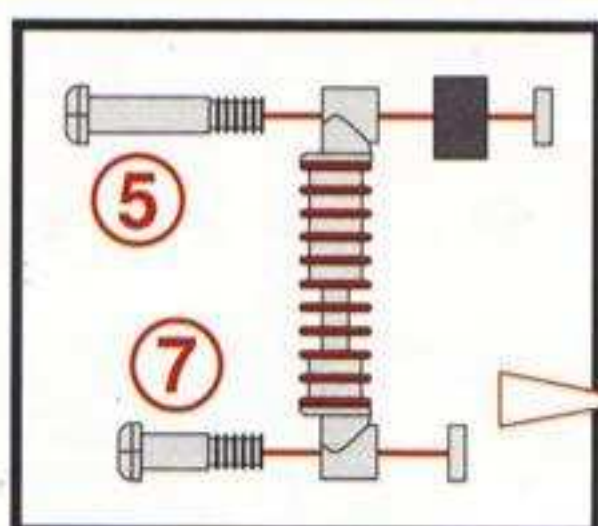
22

- x 1
- x 1
- 14,7 mm $\frac{37}{64}$ x 2
- x 1
- 12 mm $\frac{1}{2}$ x 1

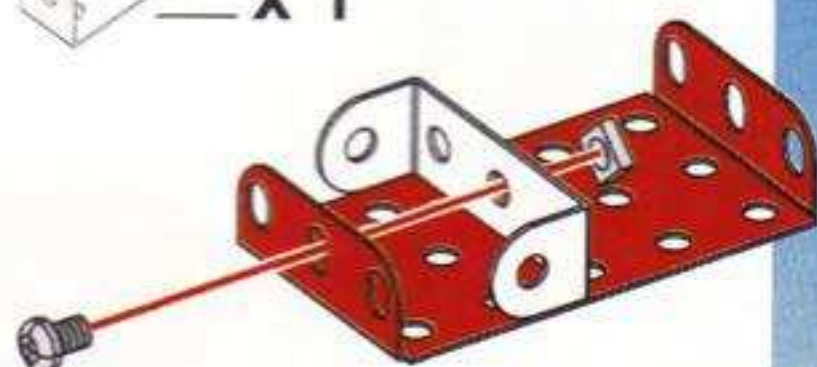
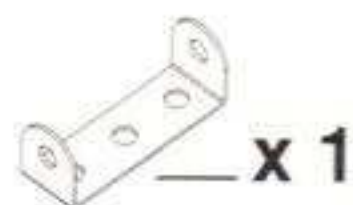


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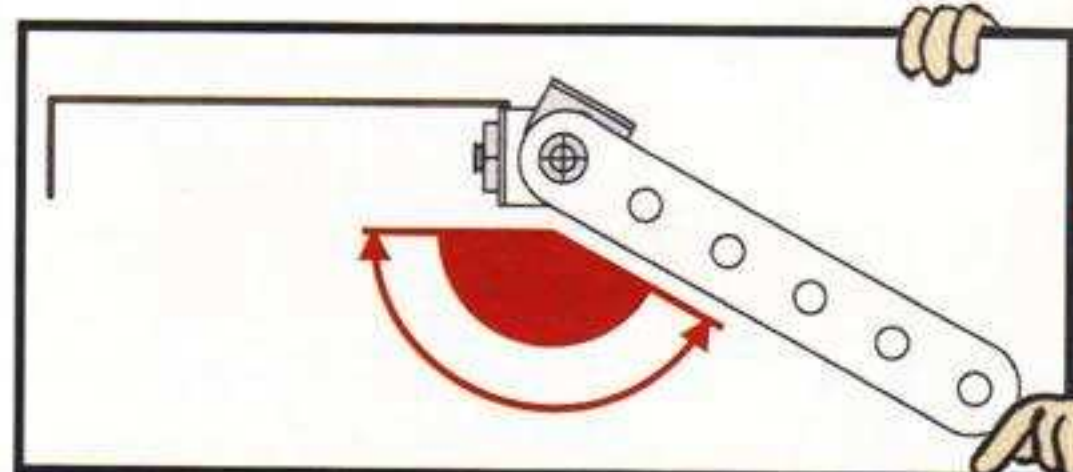
- x 2
- 23 mm $\frac{29}{32}$ x 2
- 14,7 mm $\frac{37}{64}$ x 2
- x 2



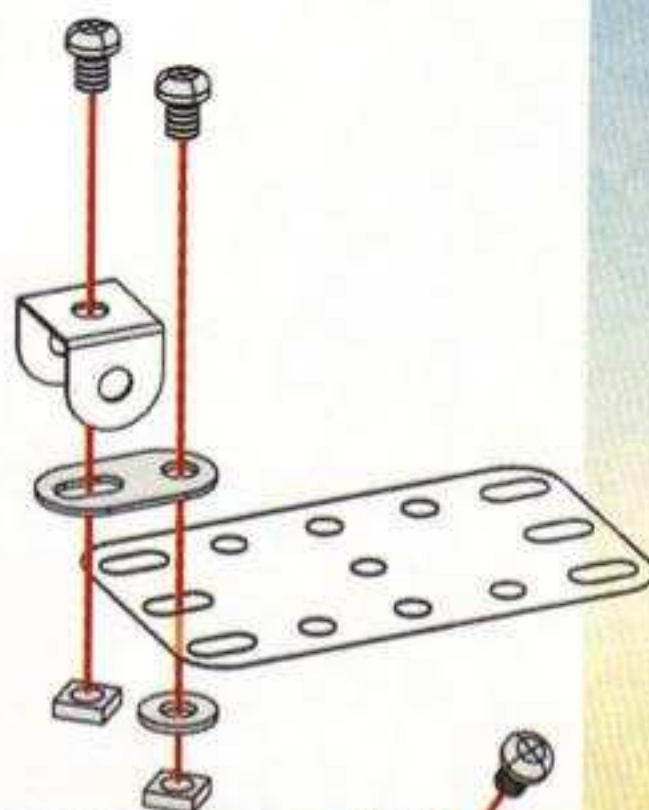
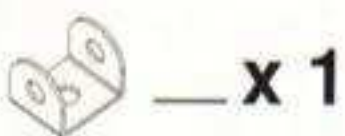
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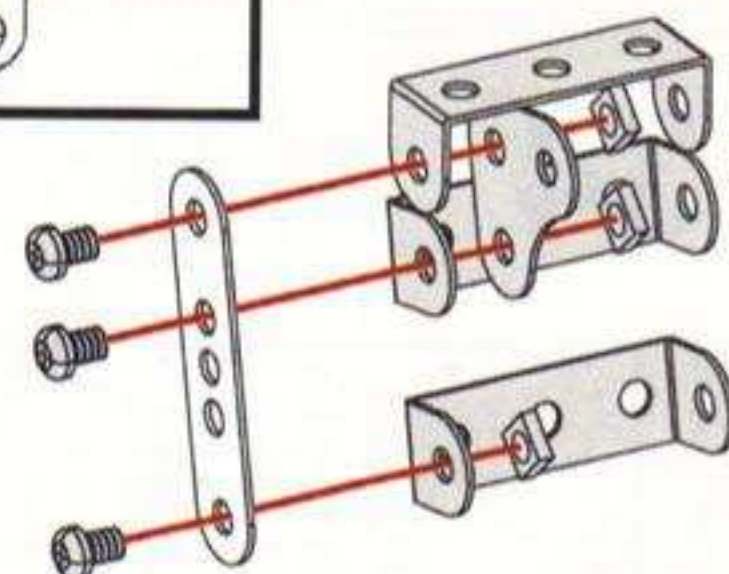
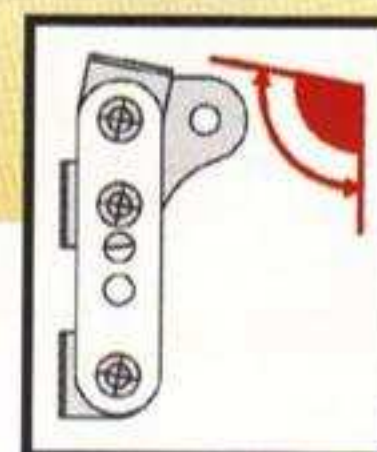
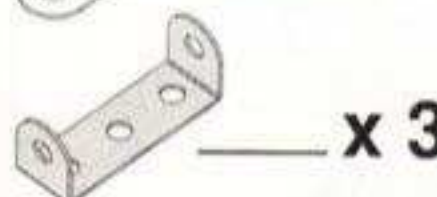
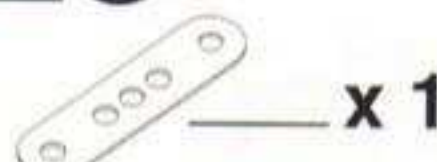
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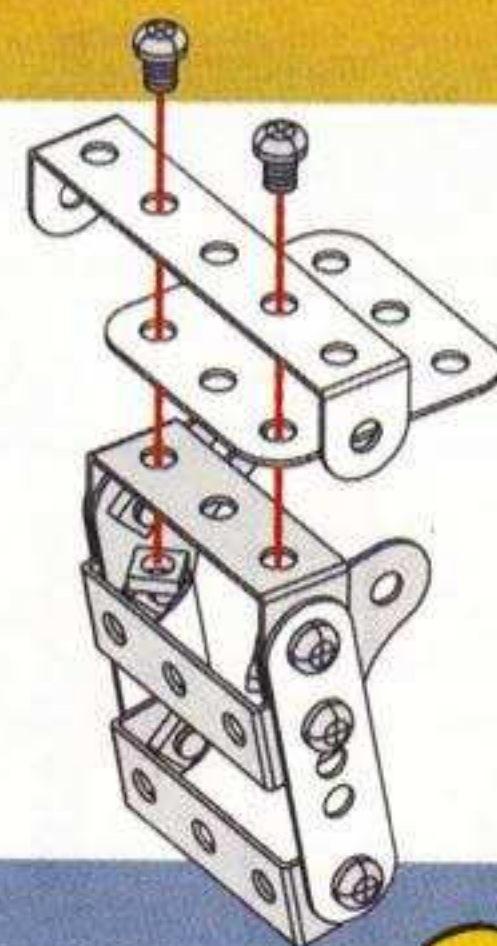
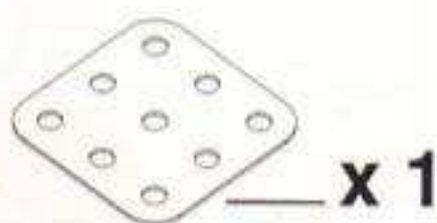
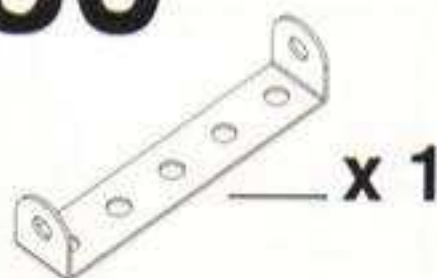
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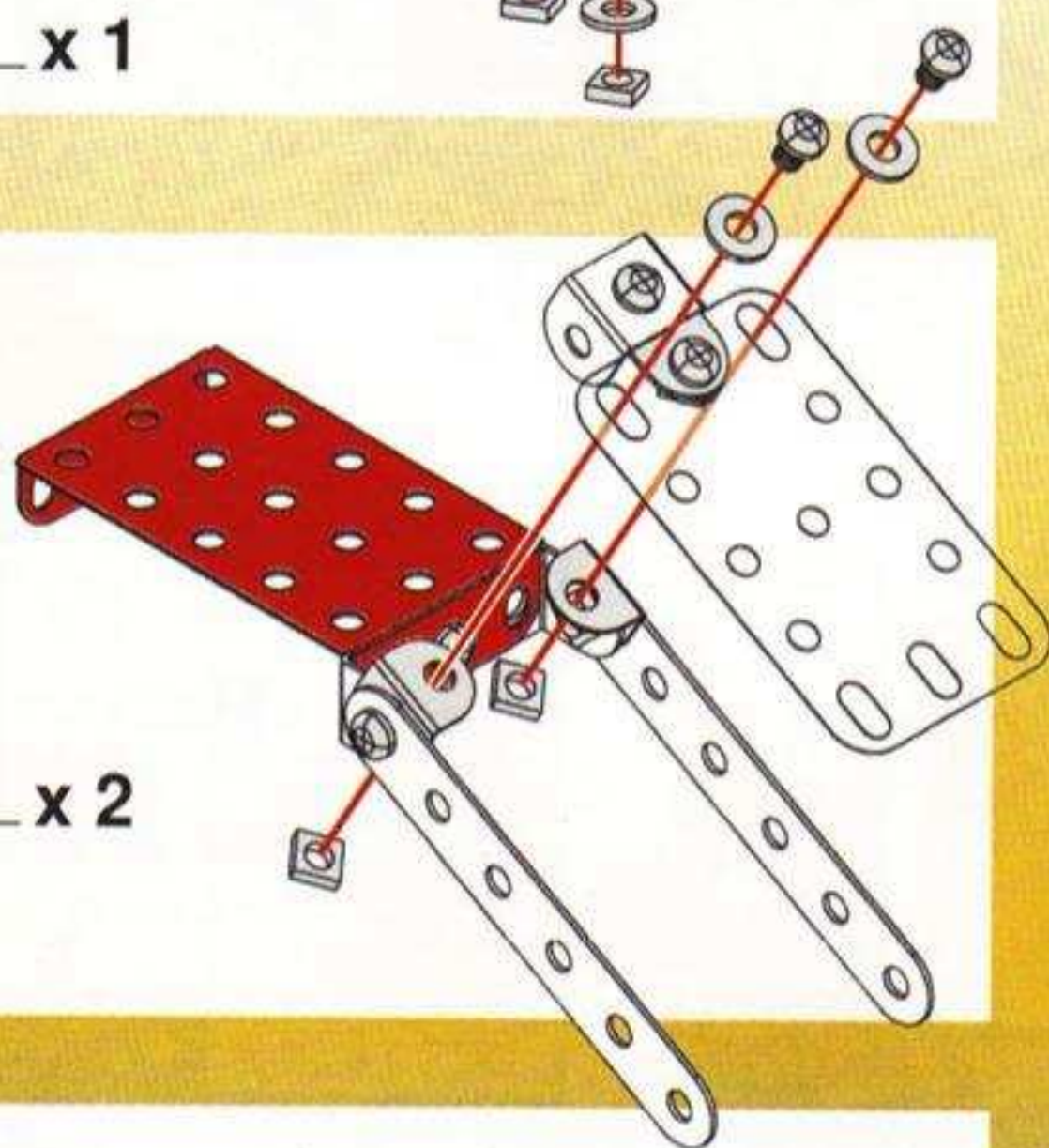
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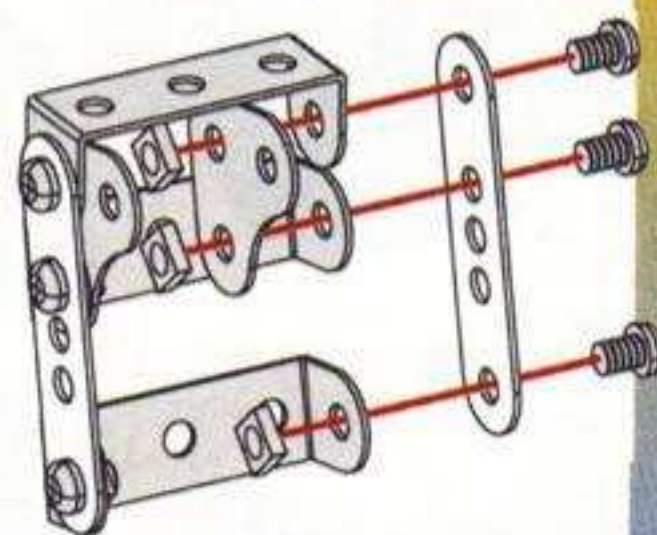
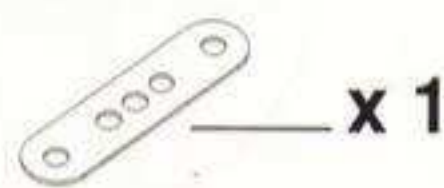
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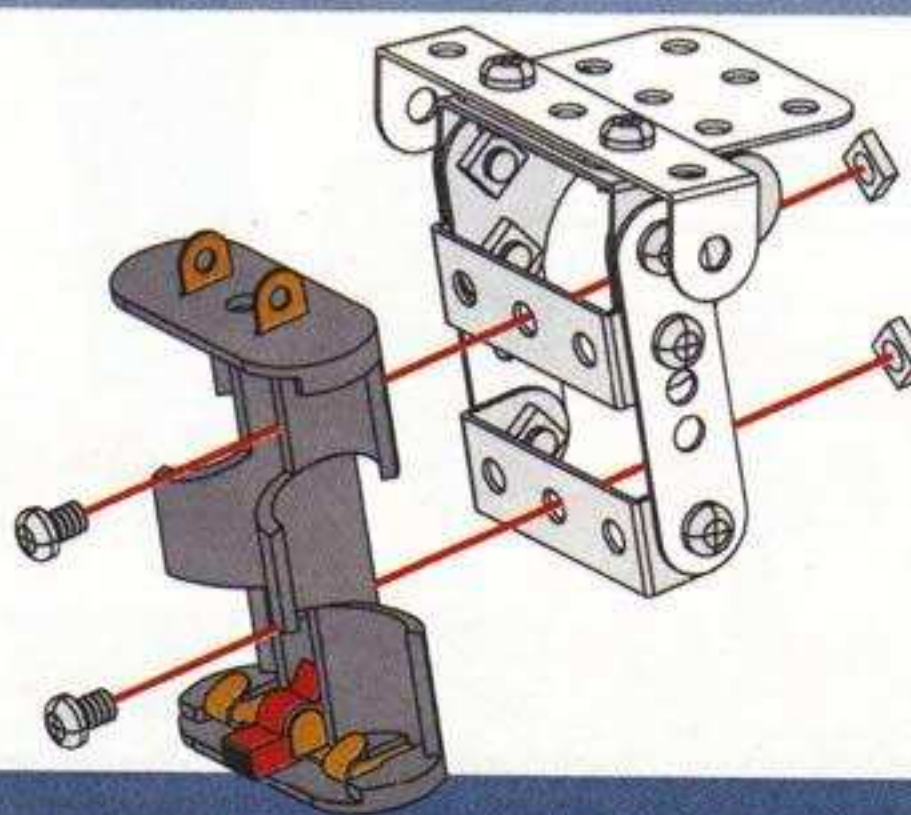
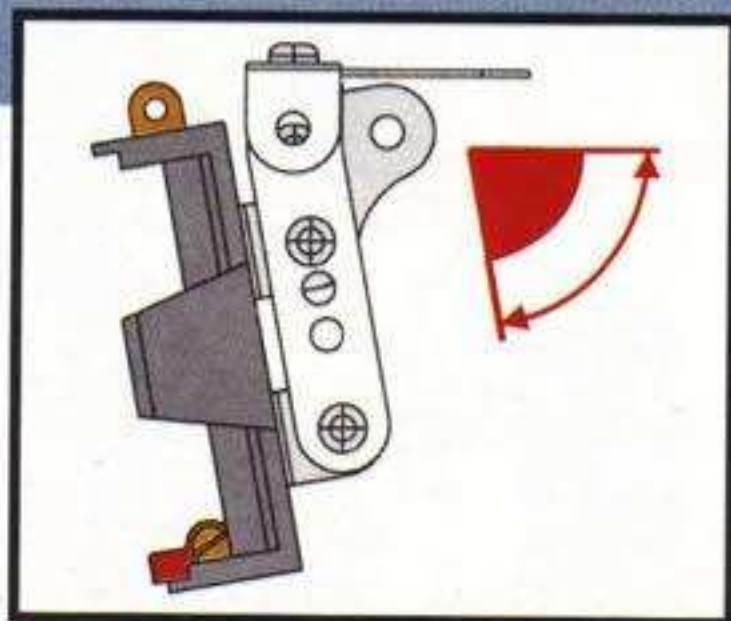
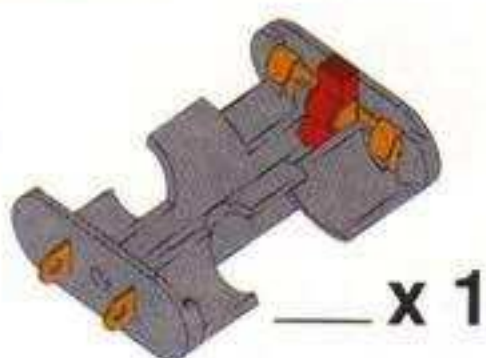
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29



31

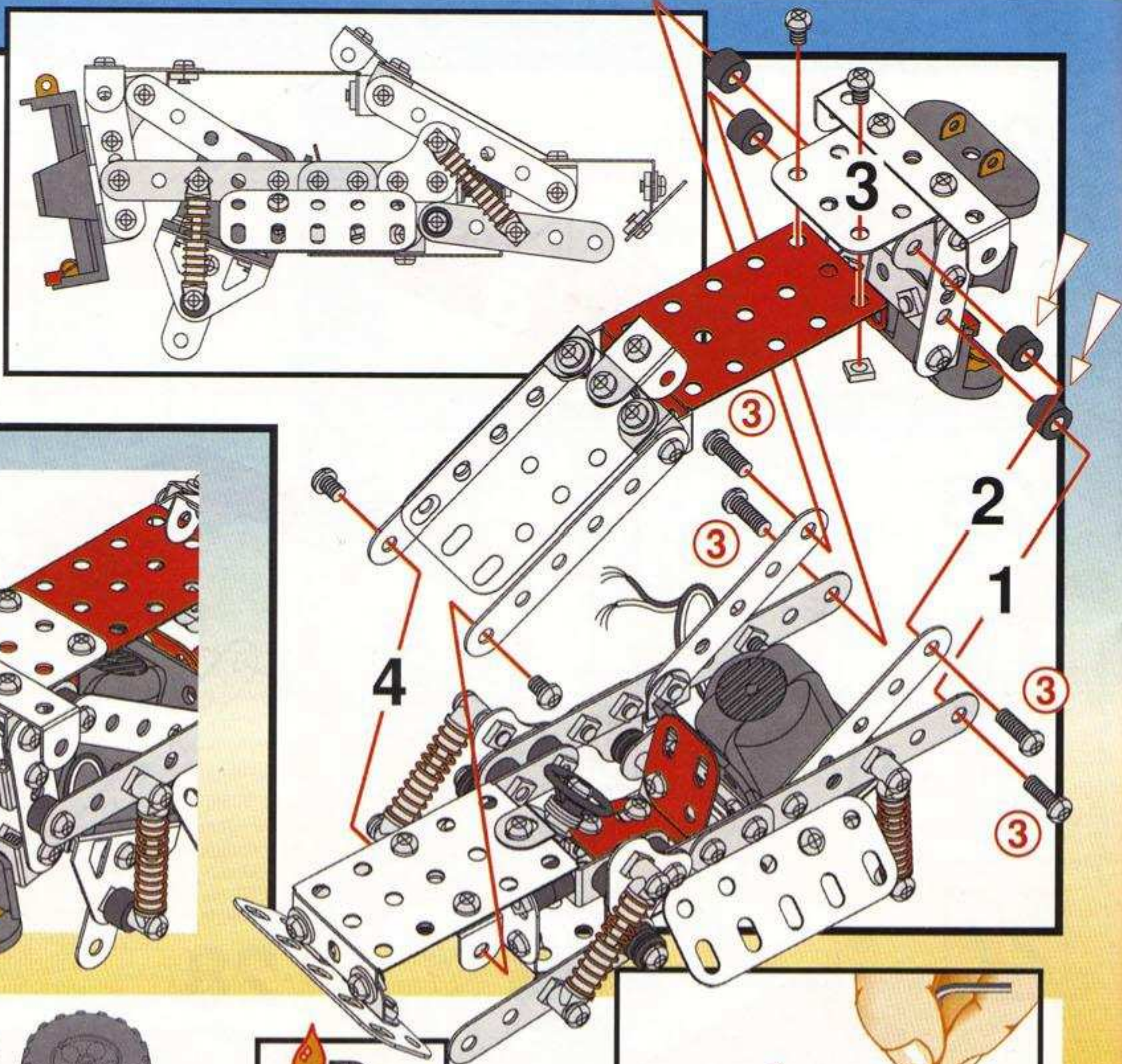


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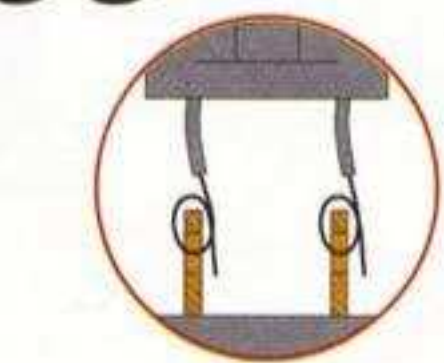
23 + **27** + **31** +

③ — 12 mm — x 4

● — x 4

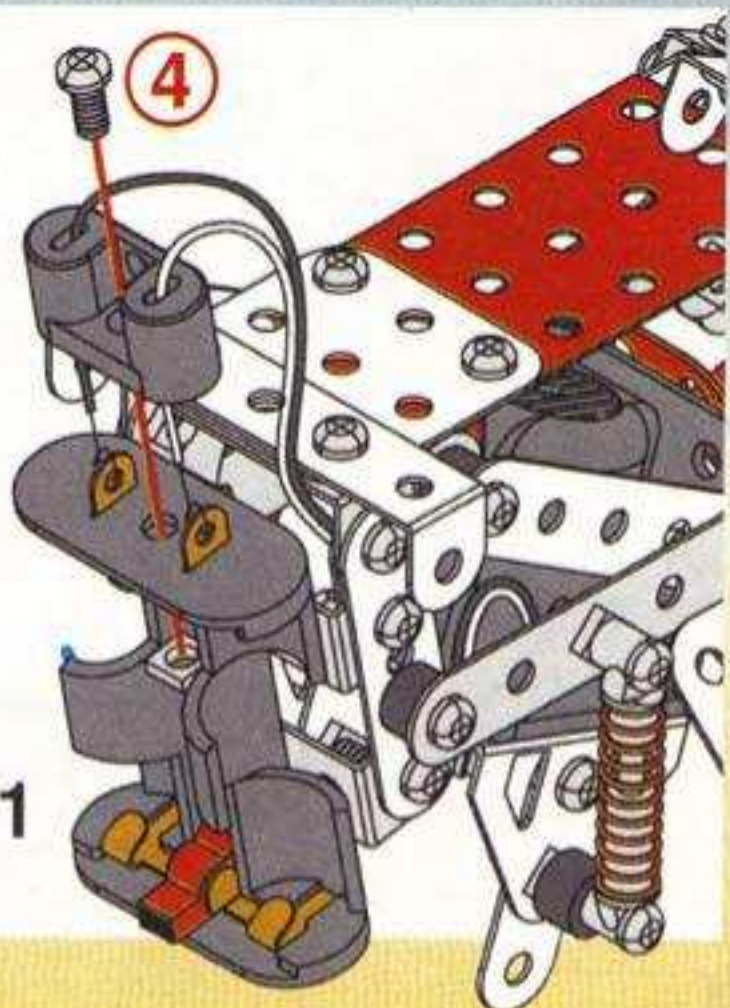


33



— x 1

④ — 9,5 mm — x 1



34

— 10 cm — x 2

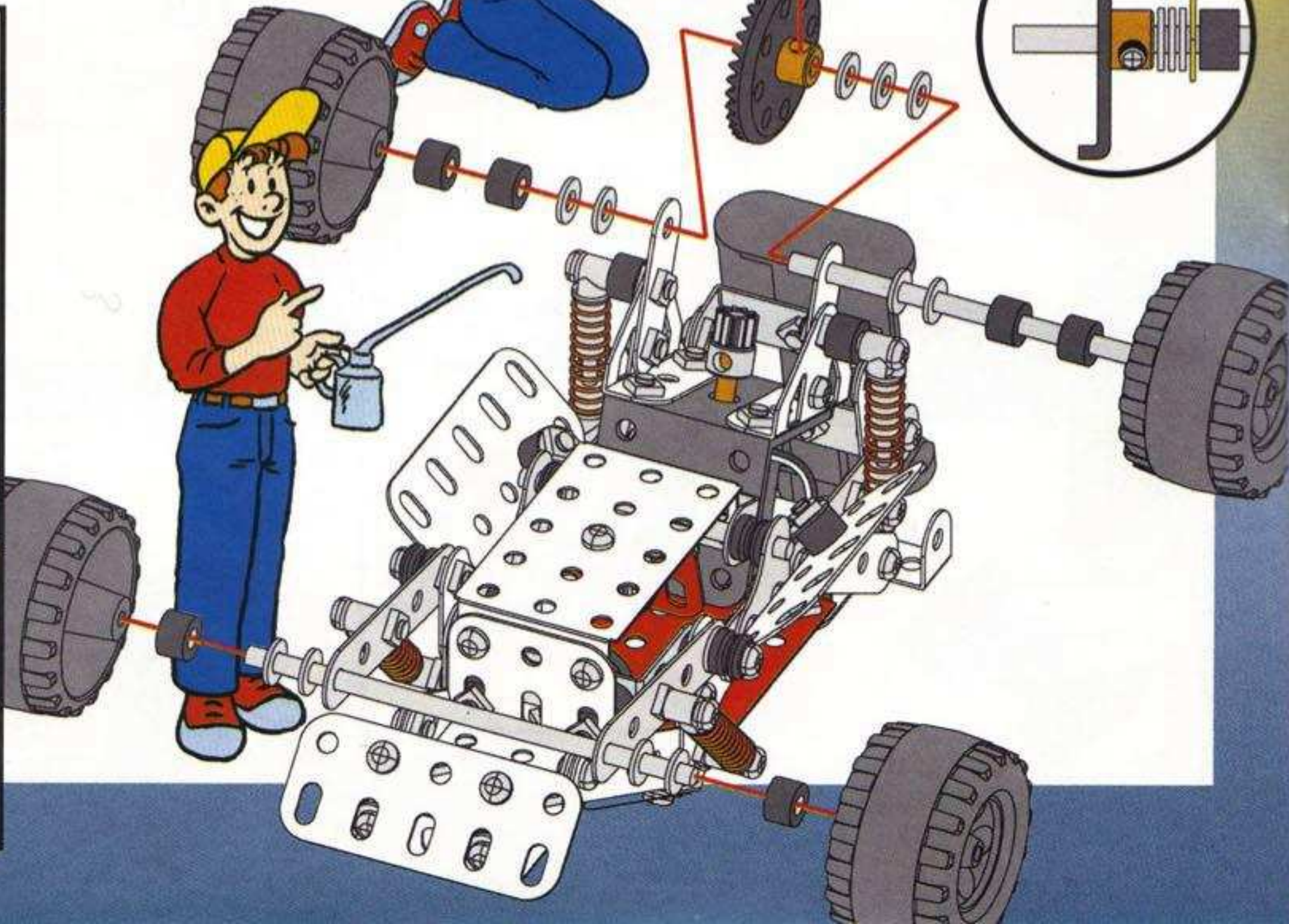
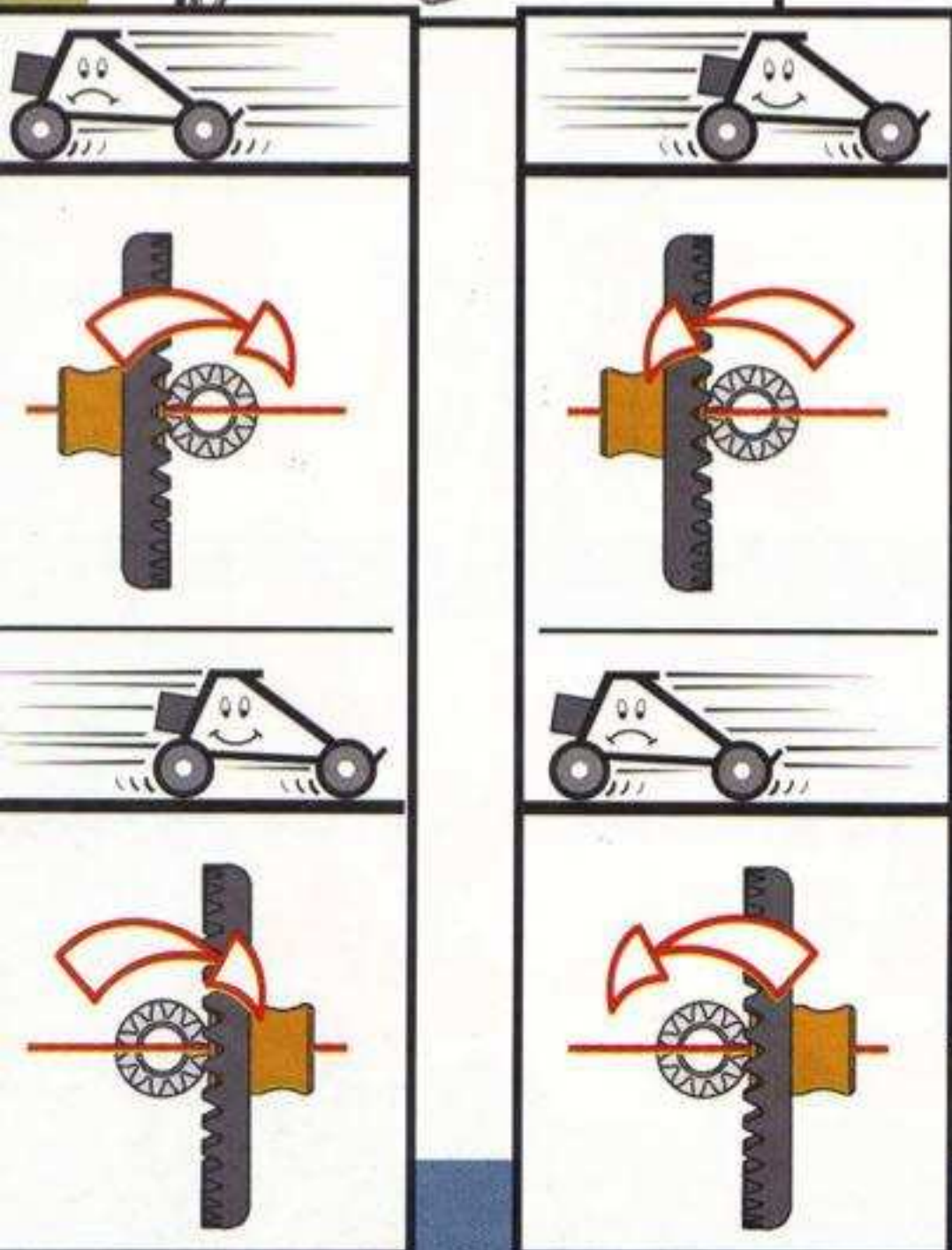
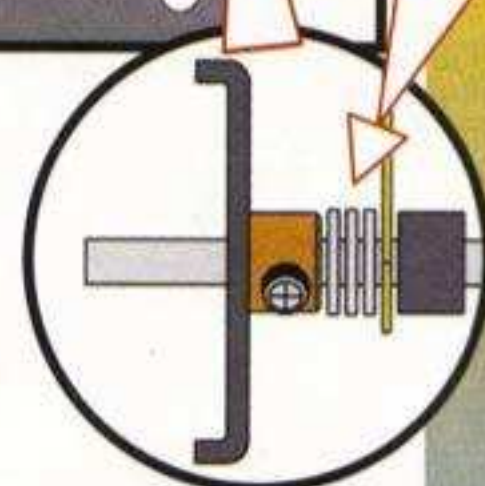
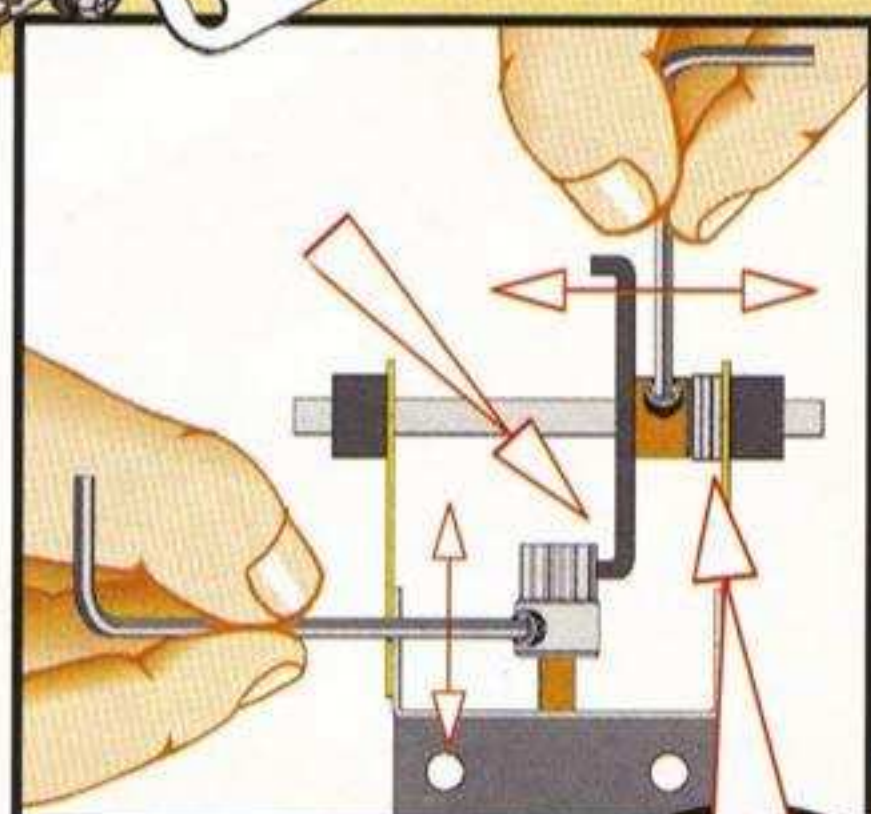
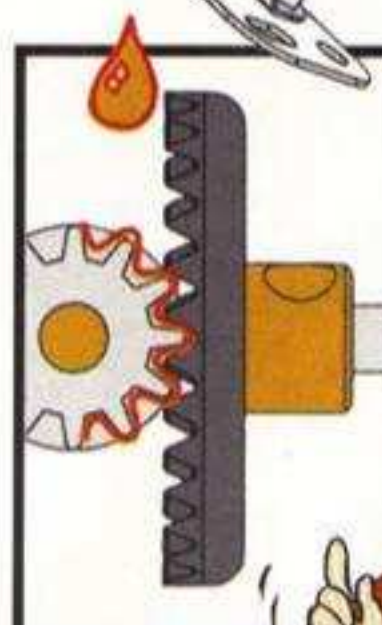
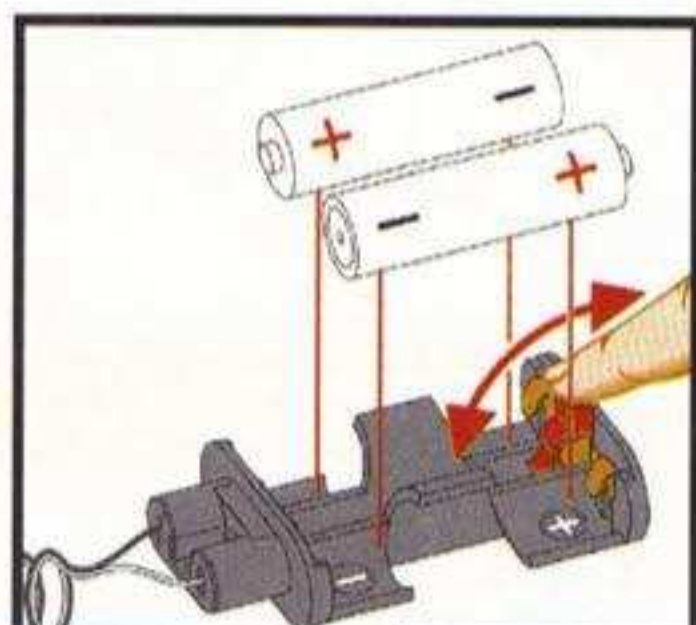
— x 4

— x 1

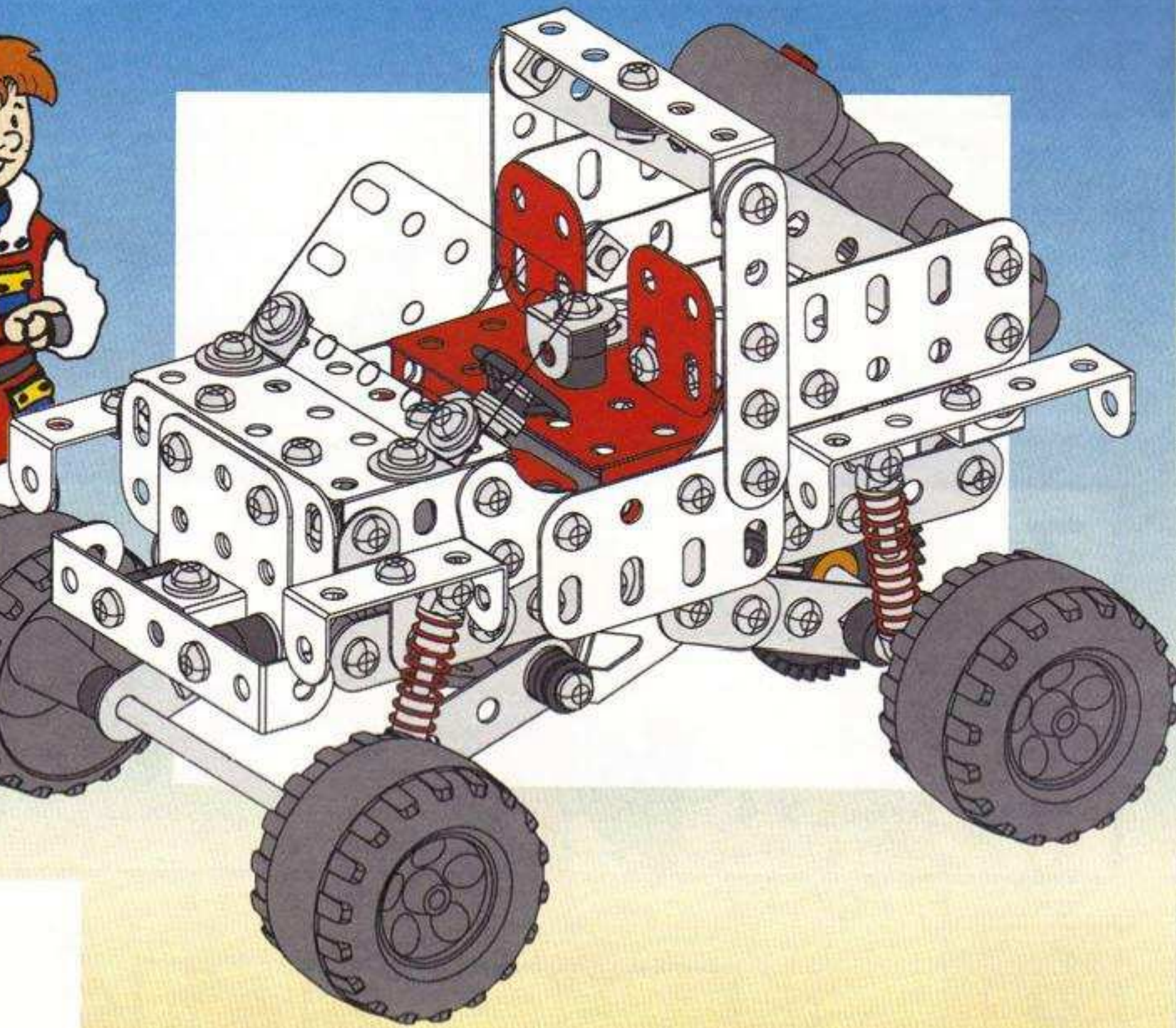
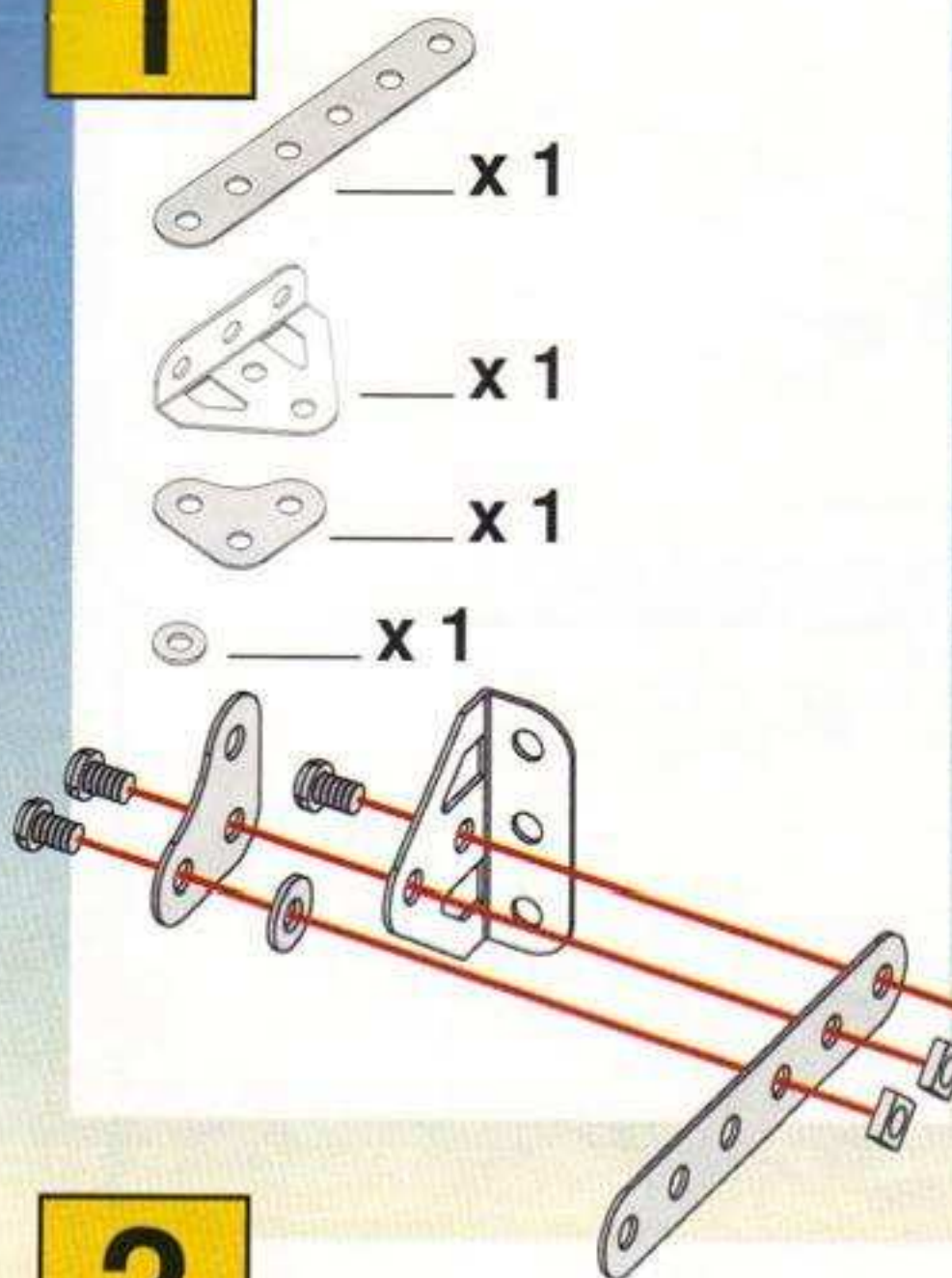
● — x 6

— x 11

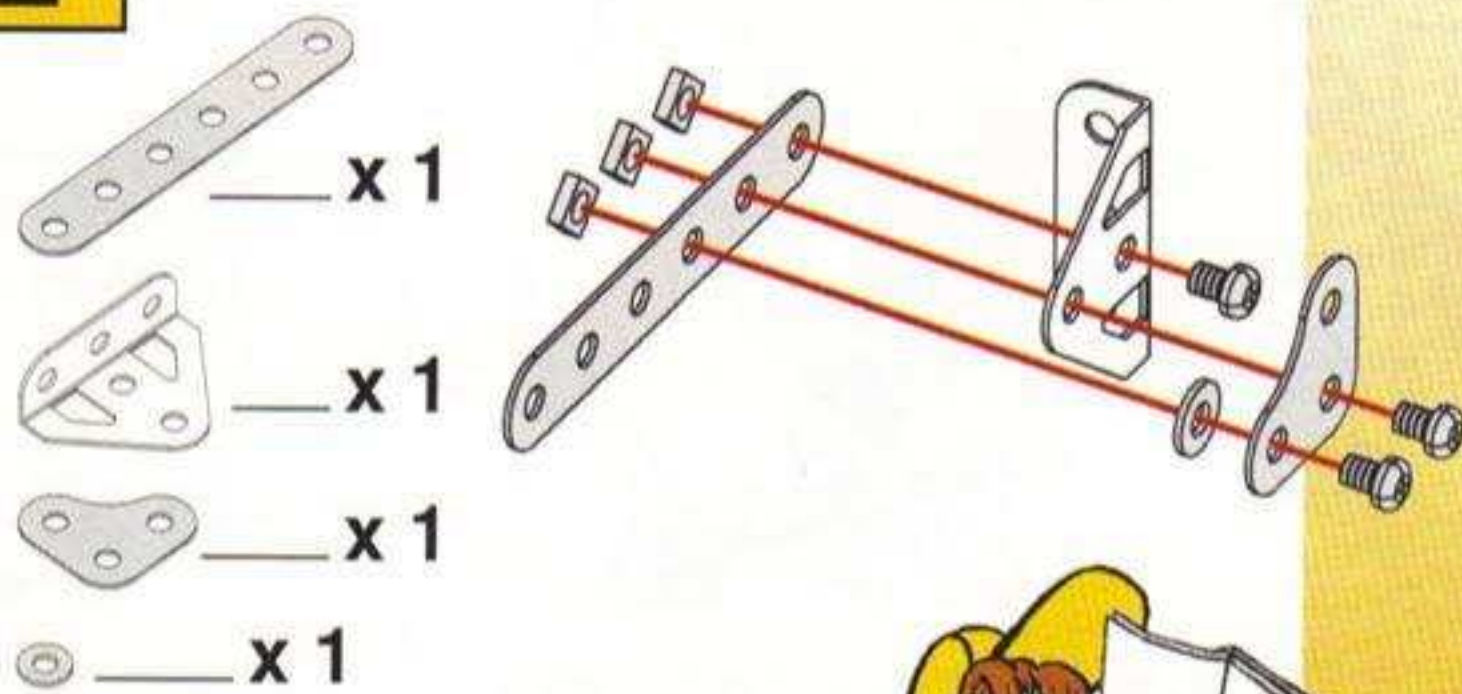
● — x 1



1

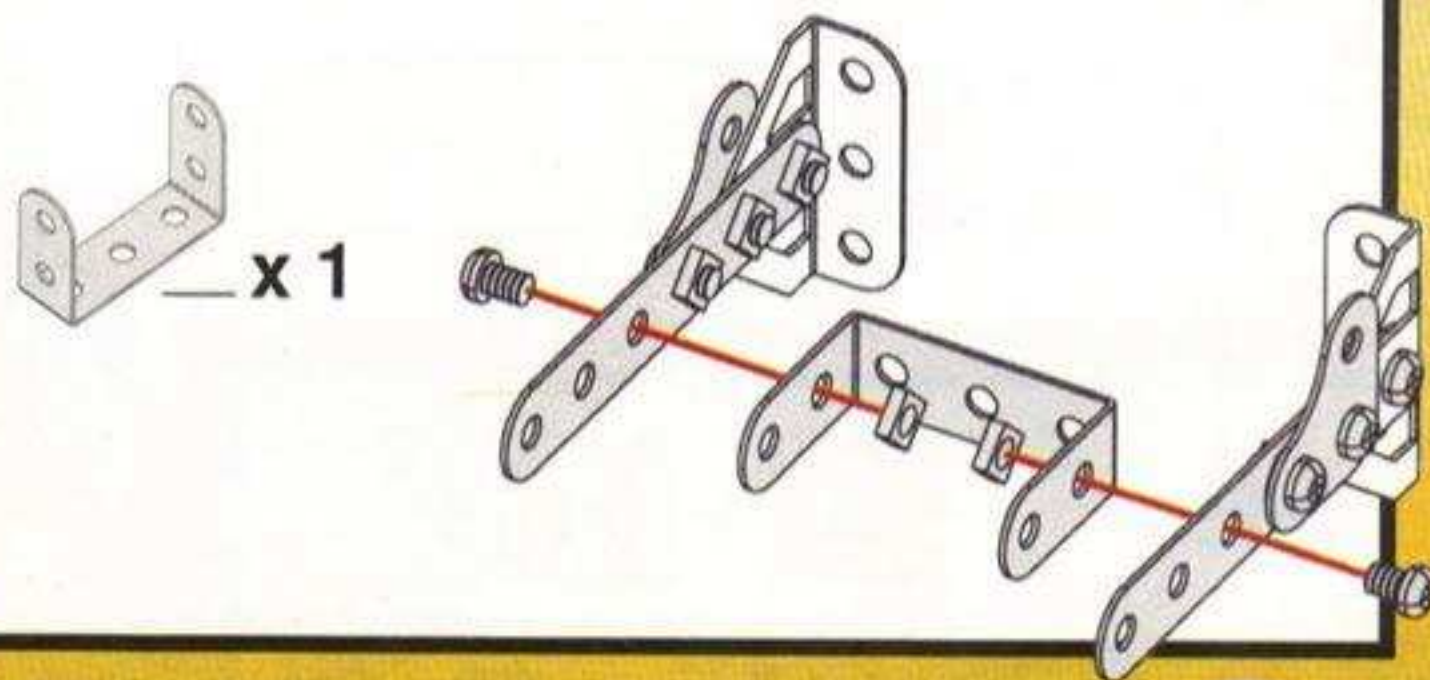


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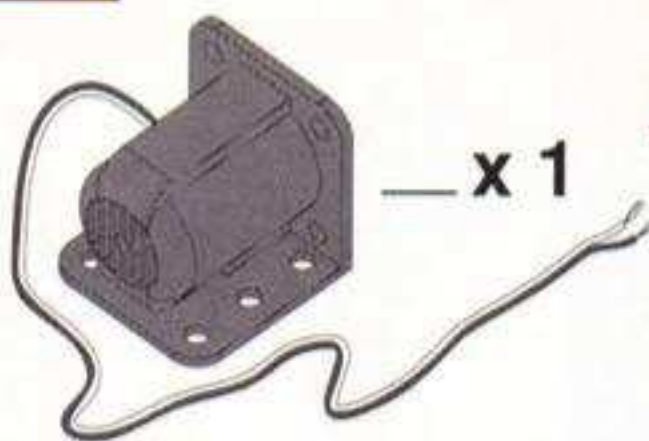


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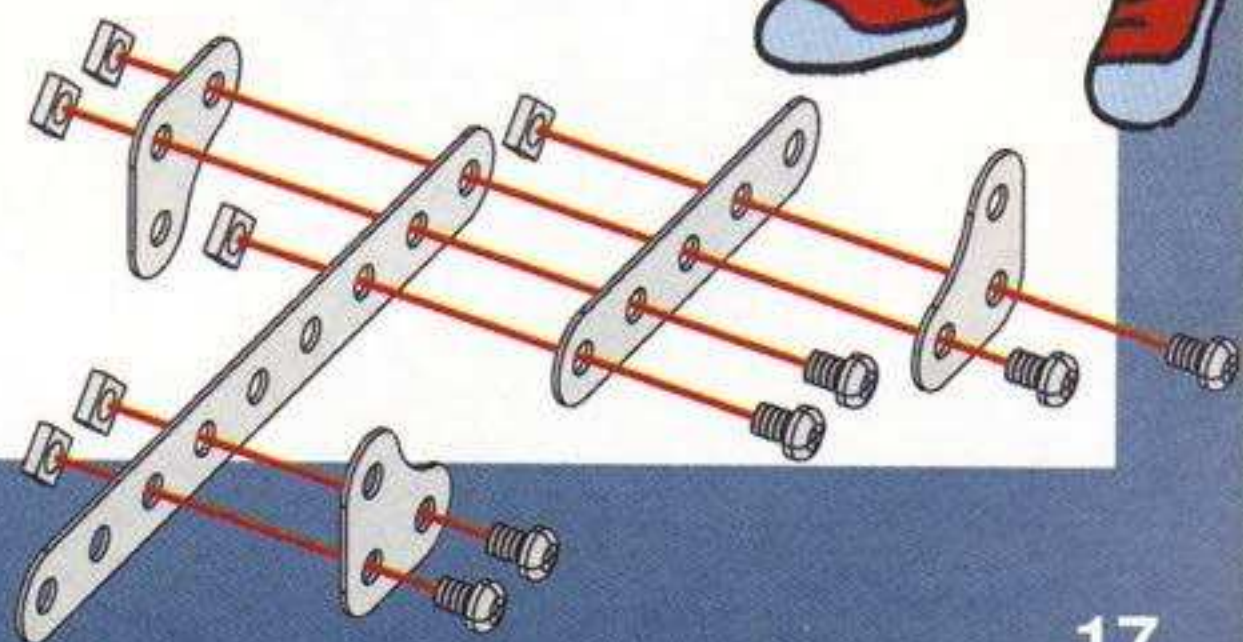
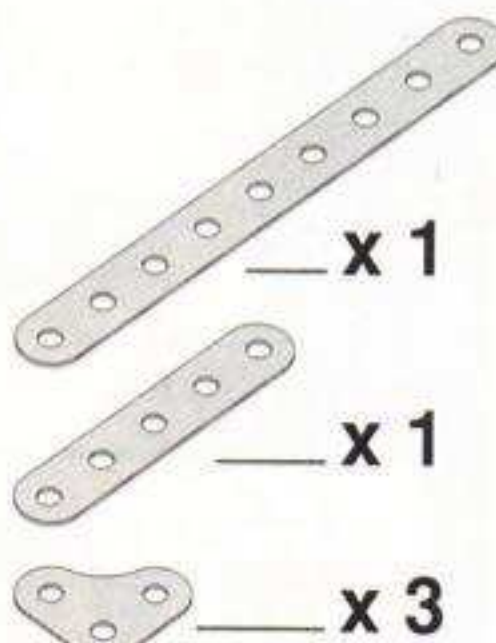
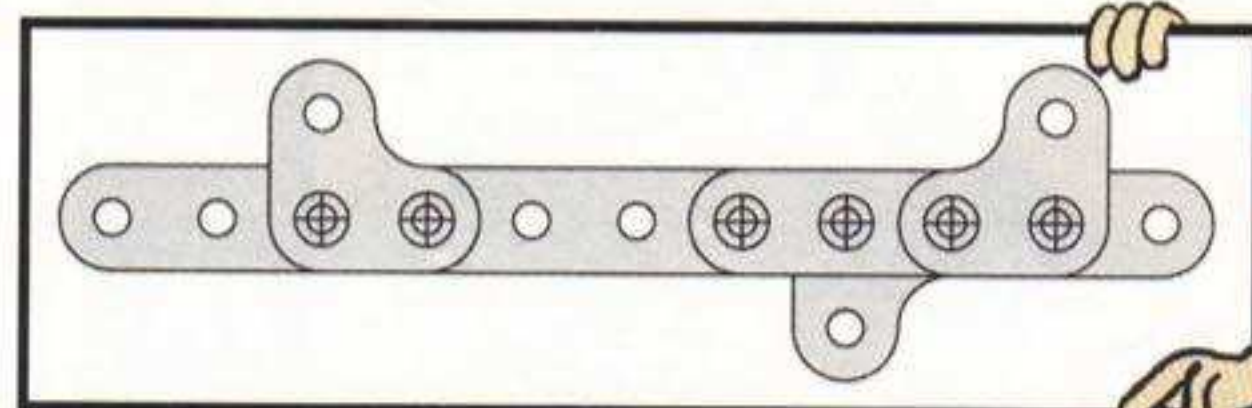
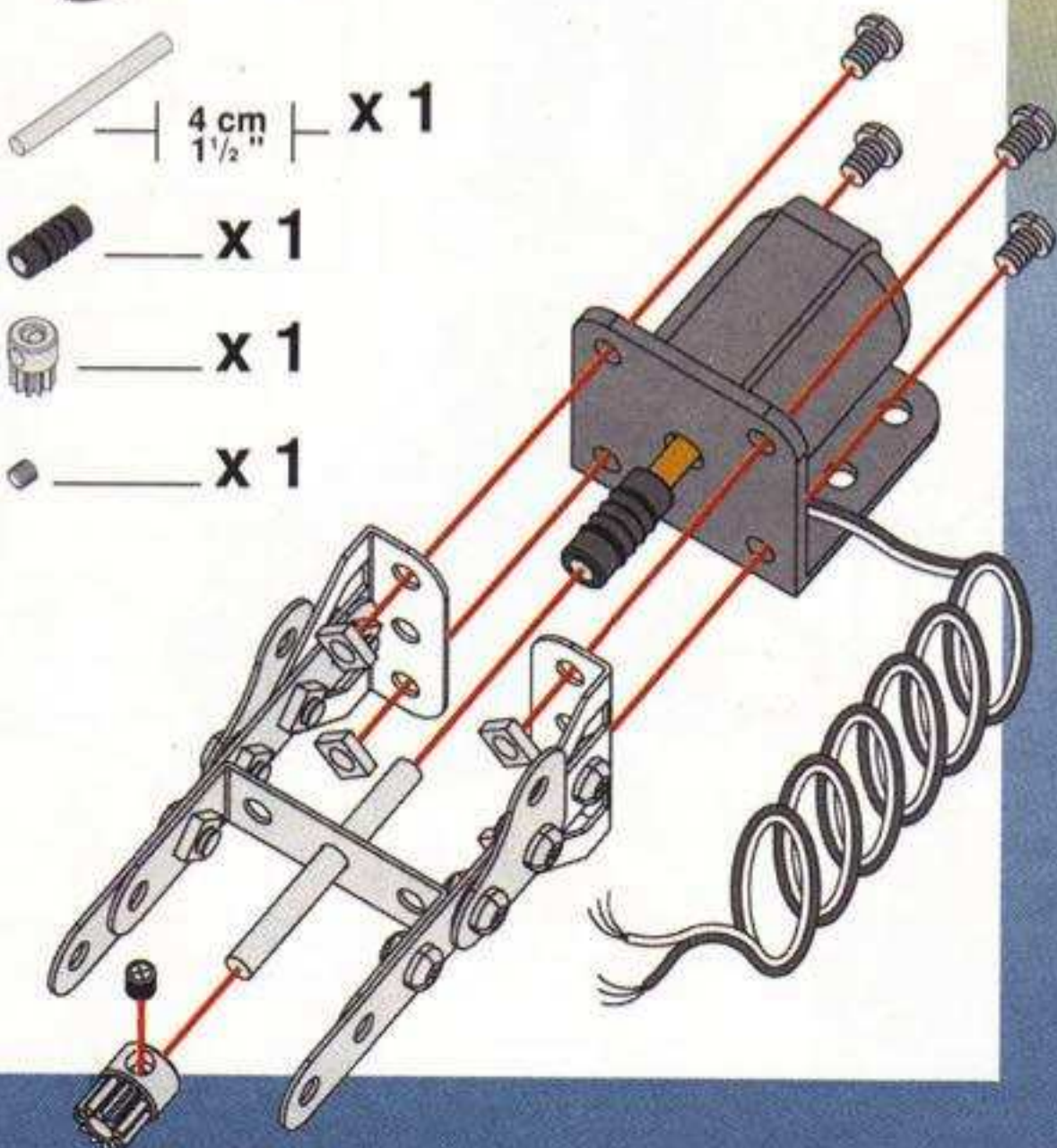
1 + 2 +



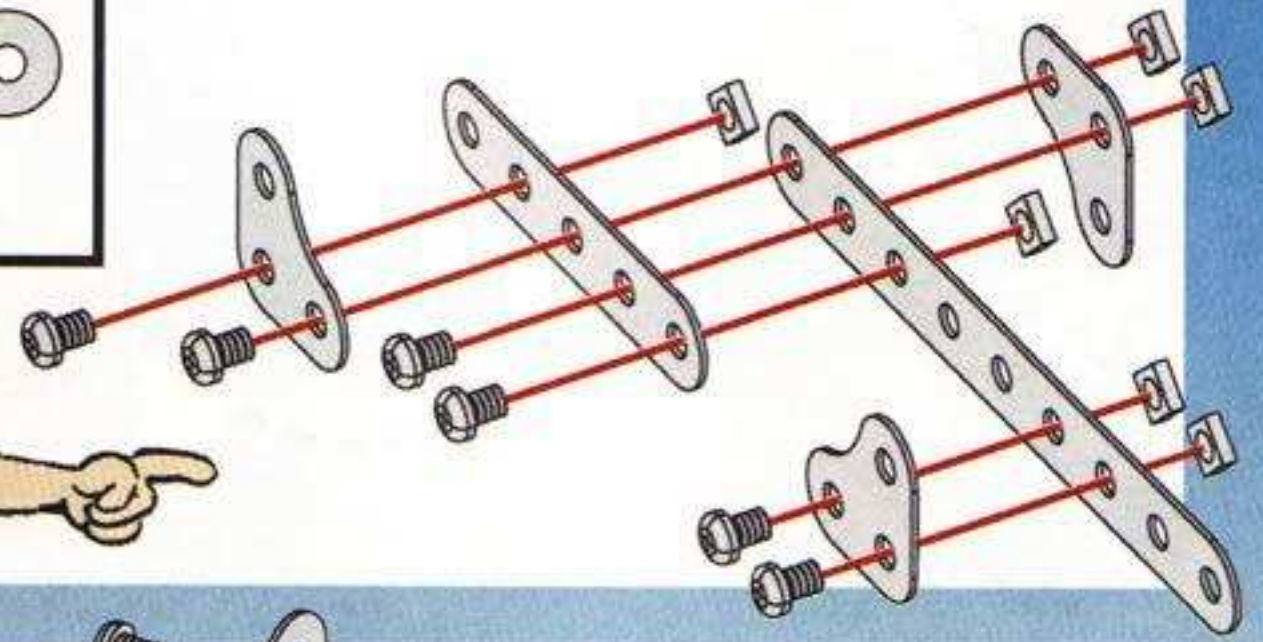
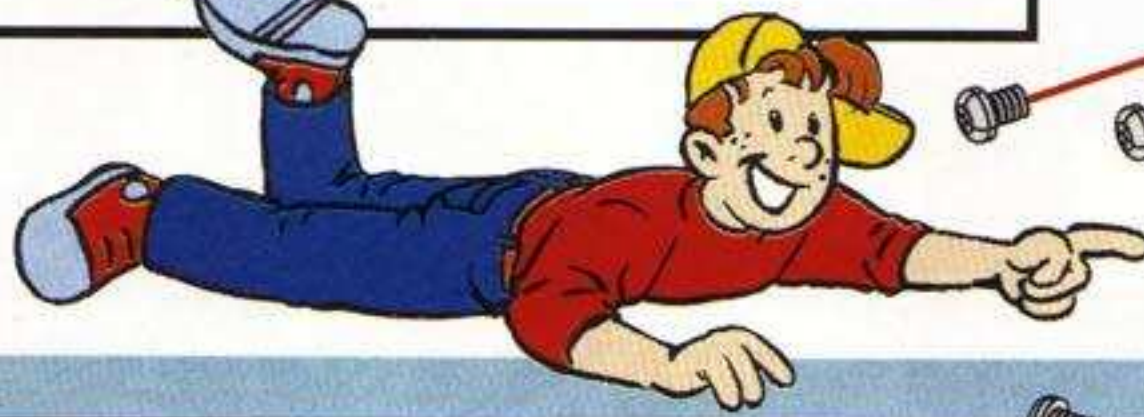
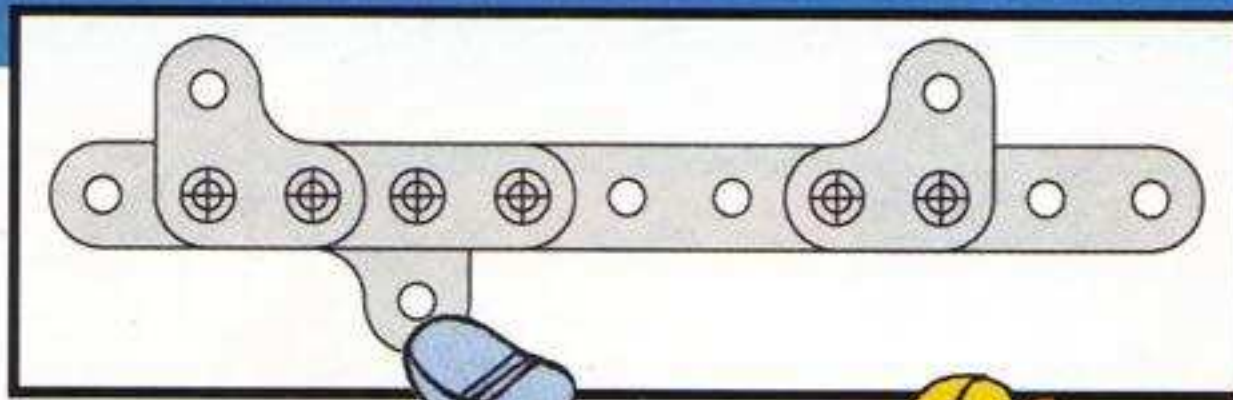
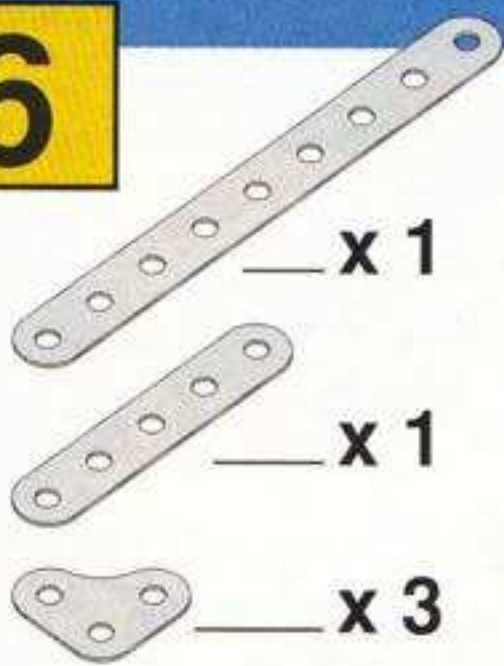
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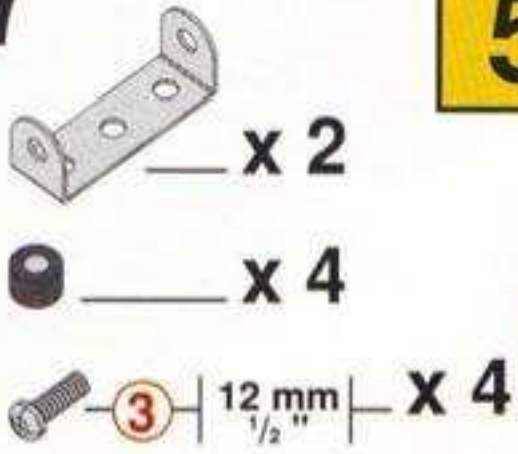
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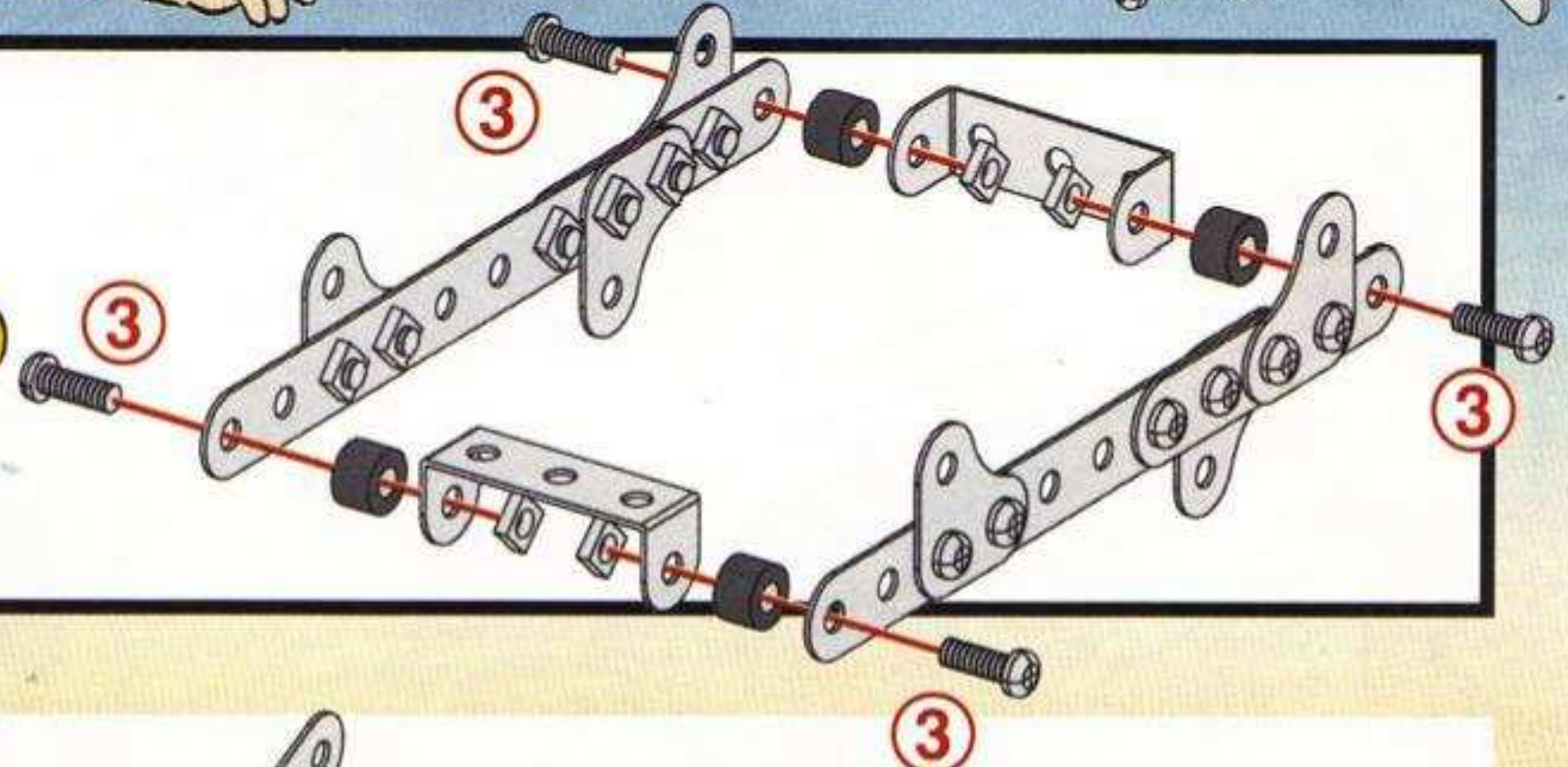
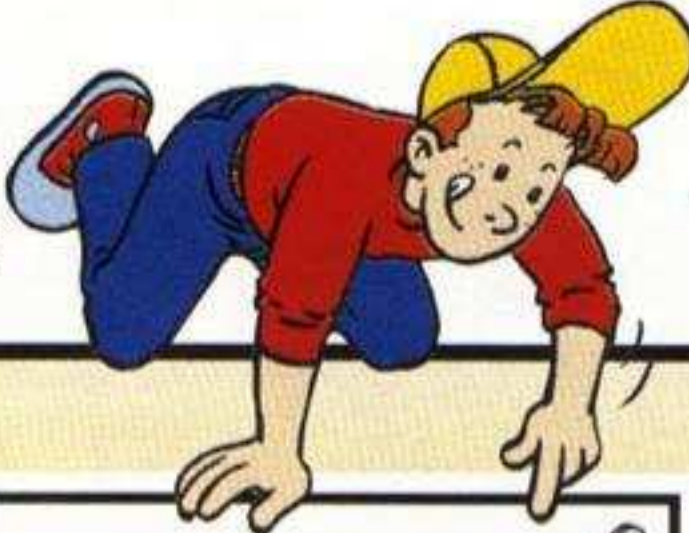
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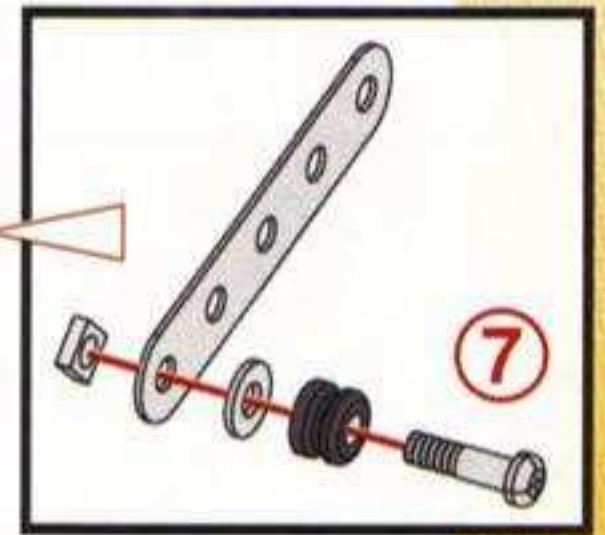
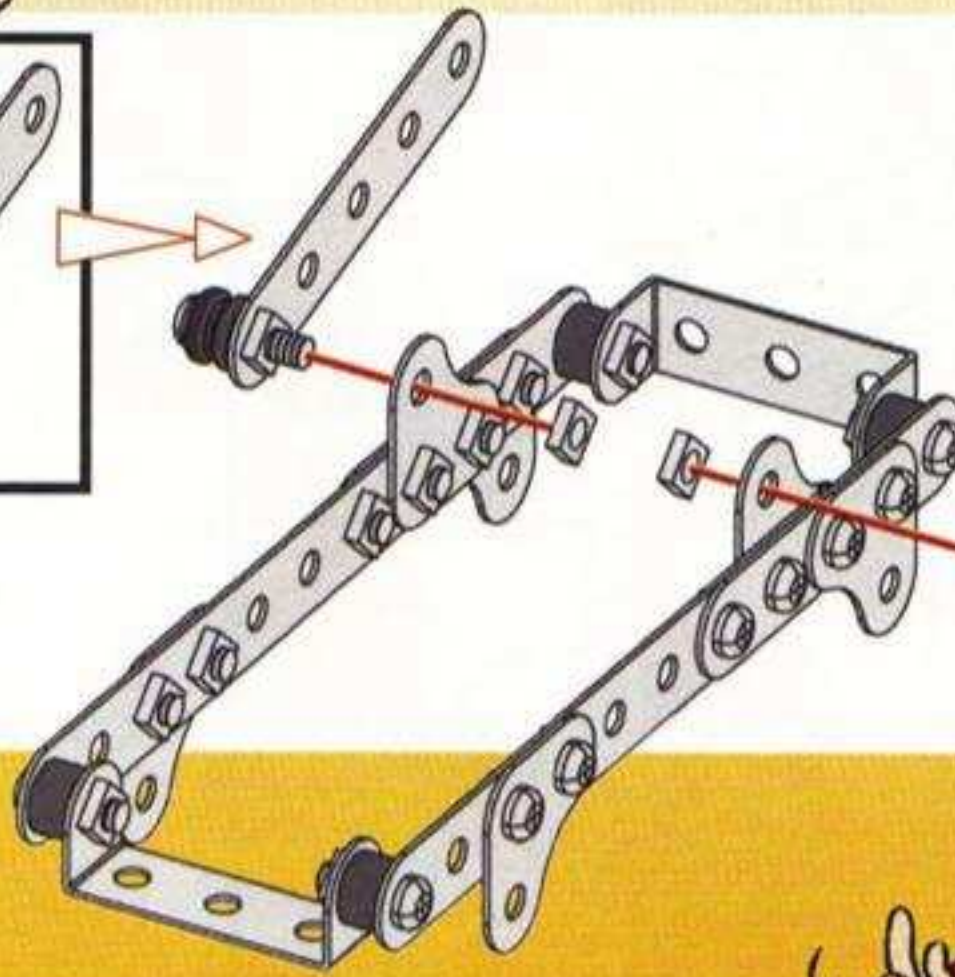
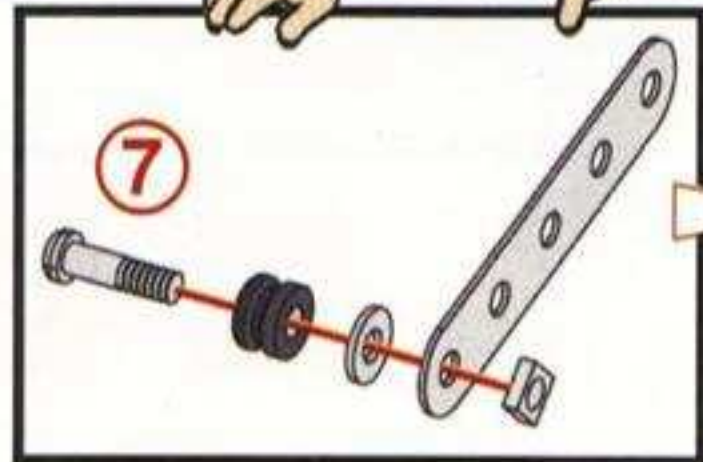
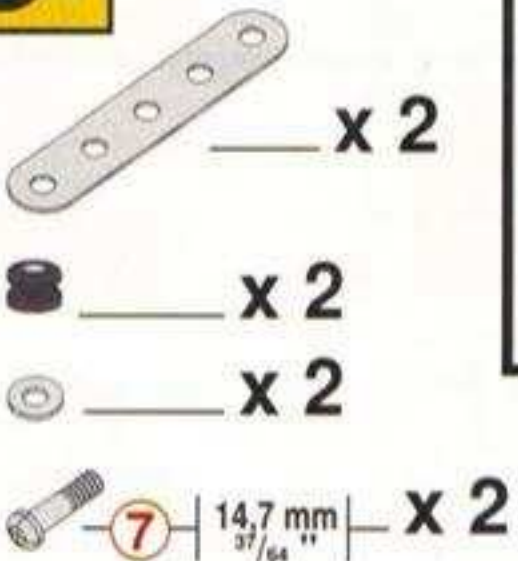
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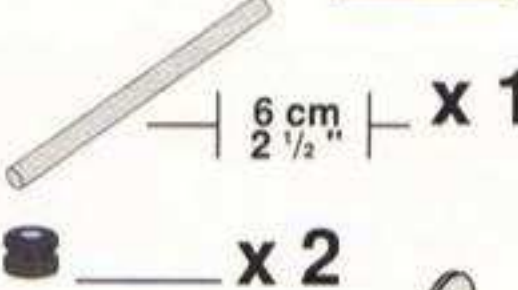
5 + 6 +



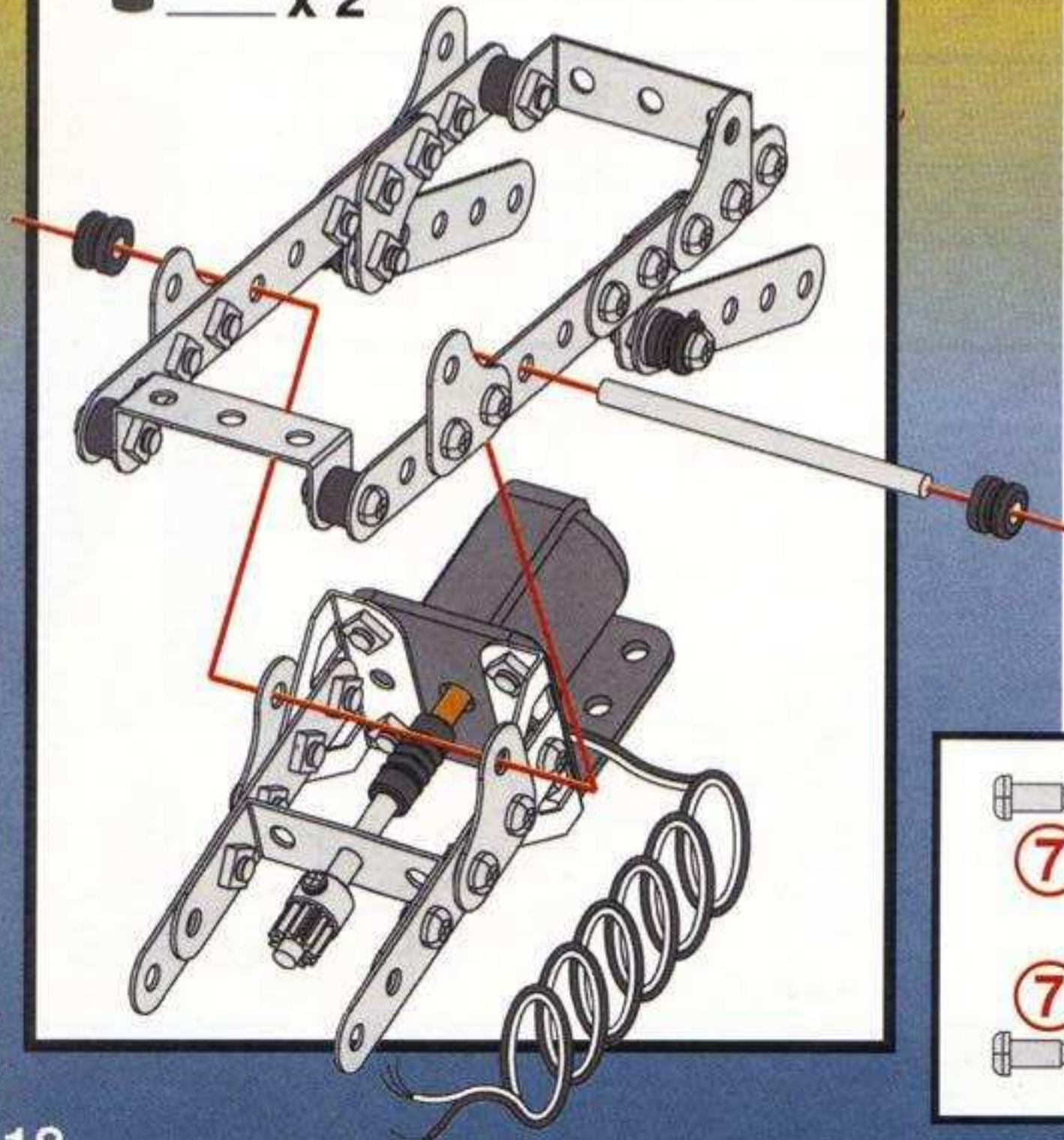
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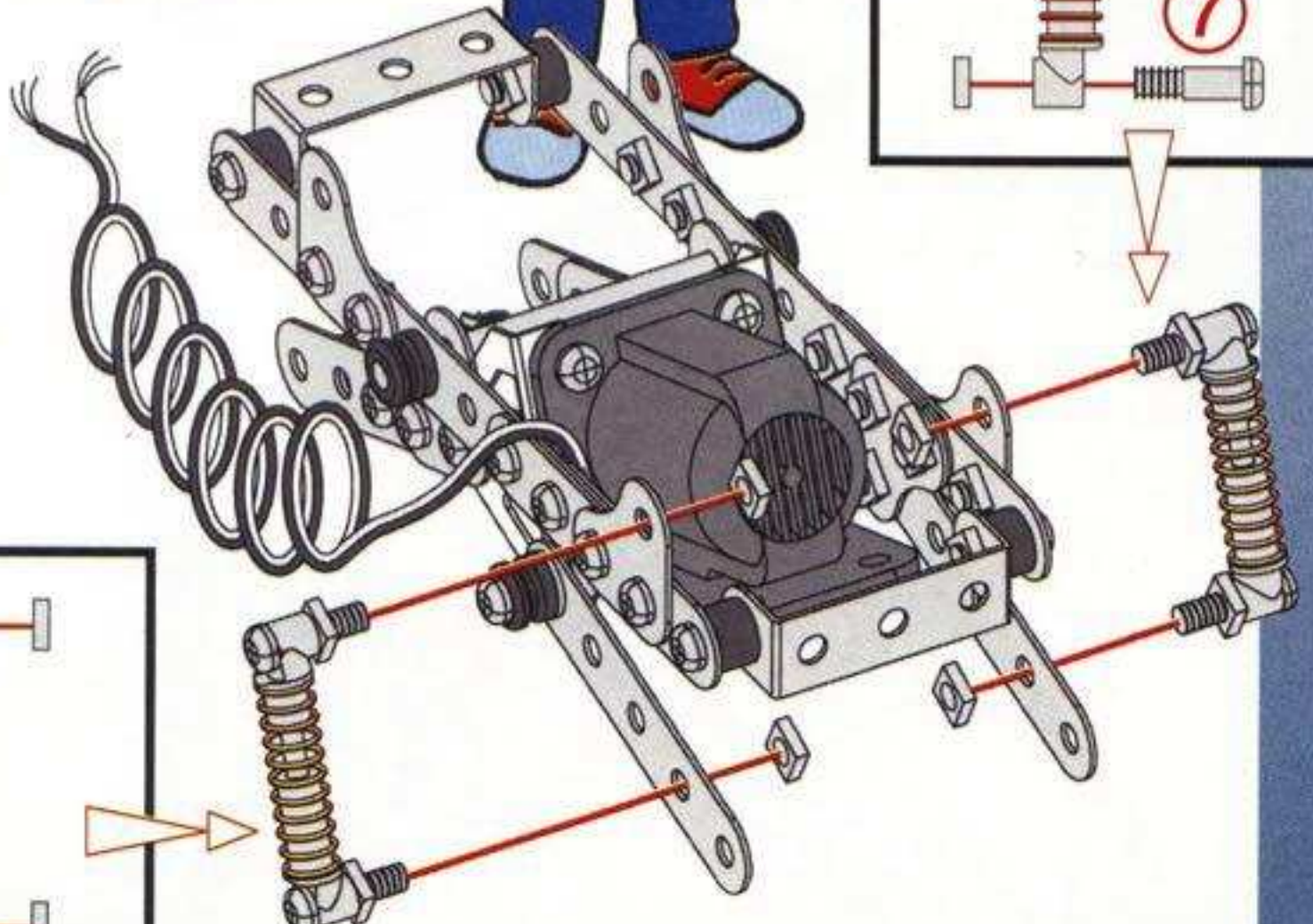
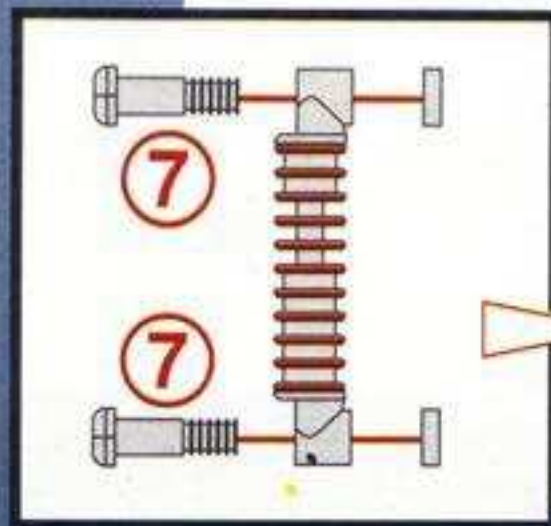
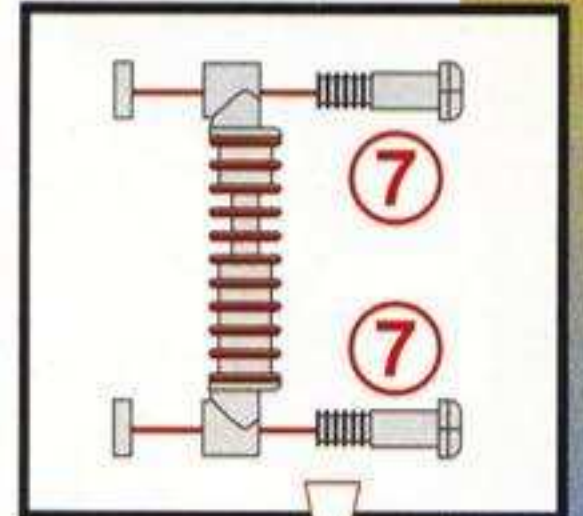
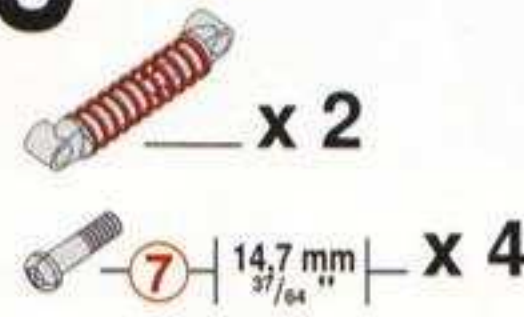
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4 + 8 +

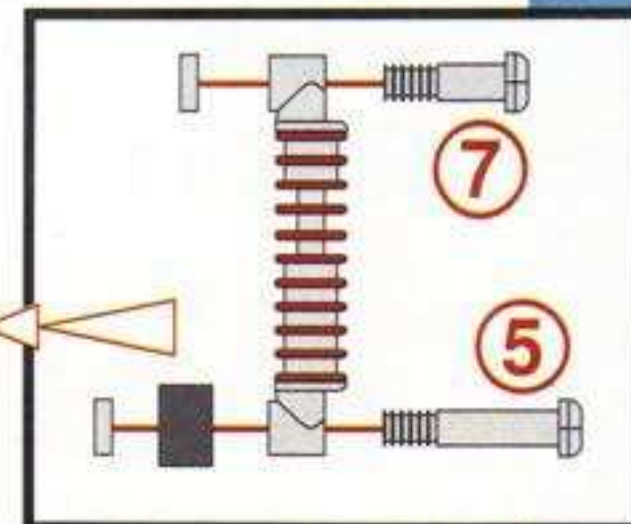
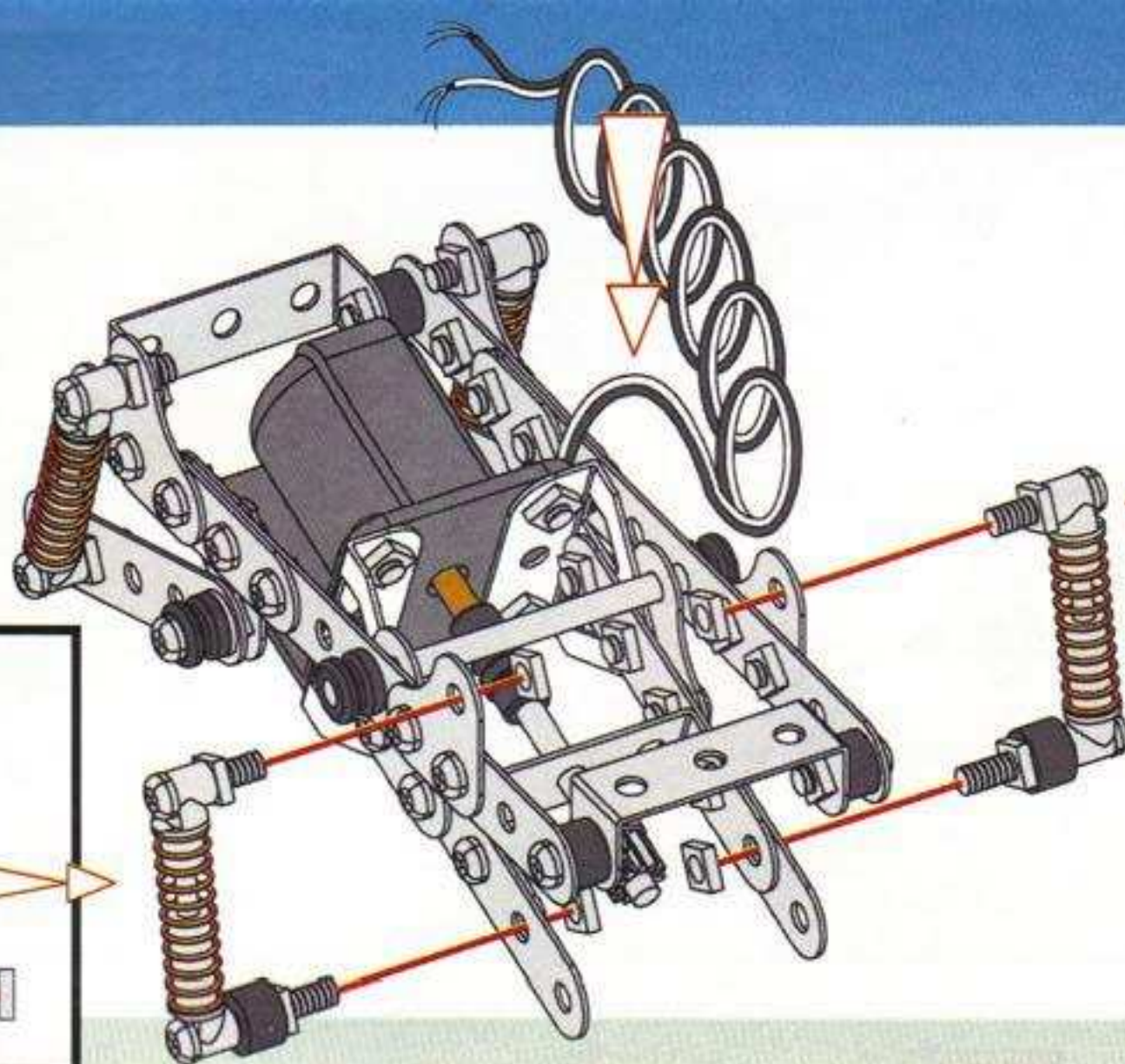
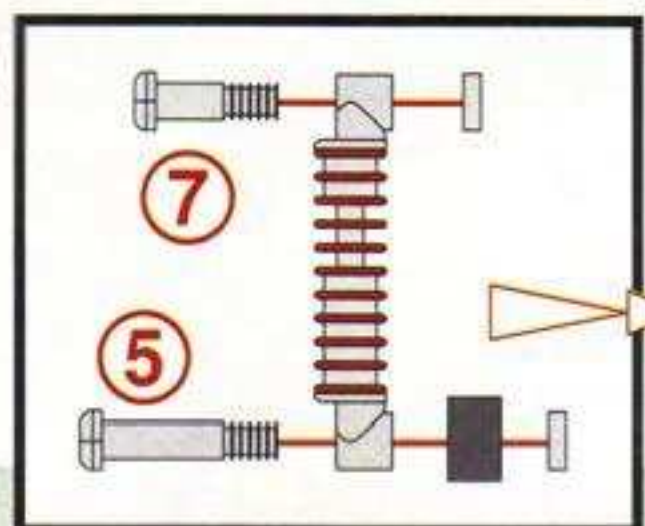


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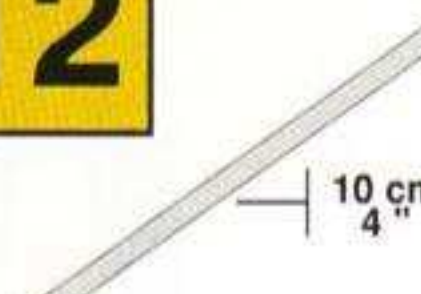
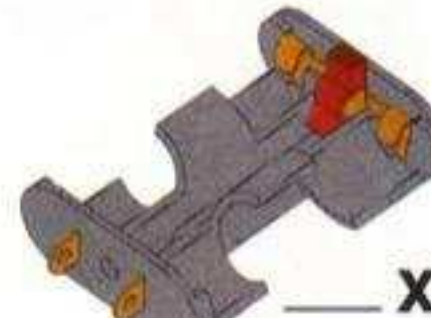


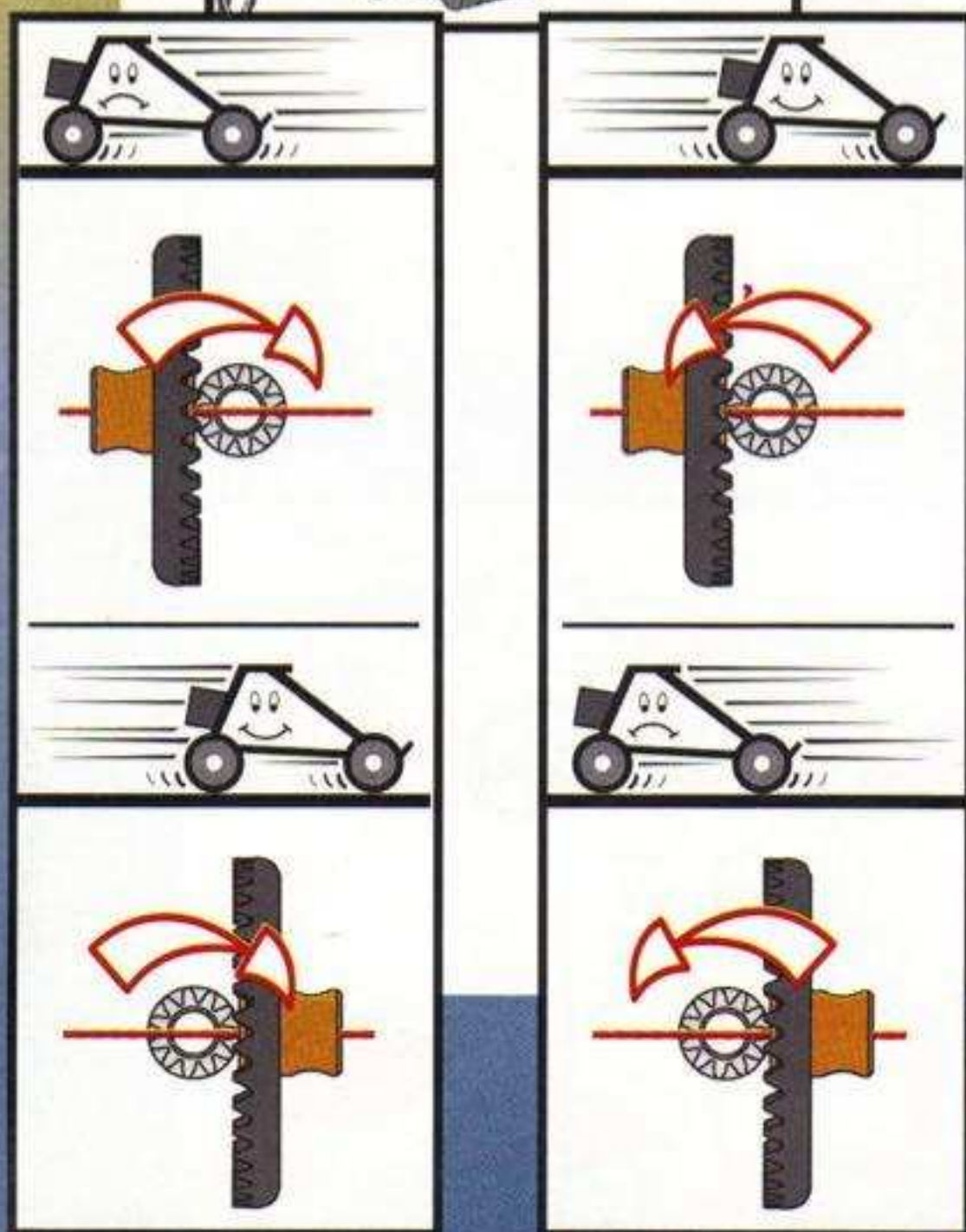
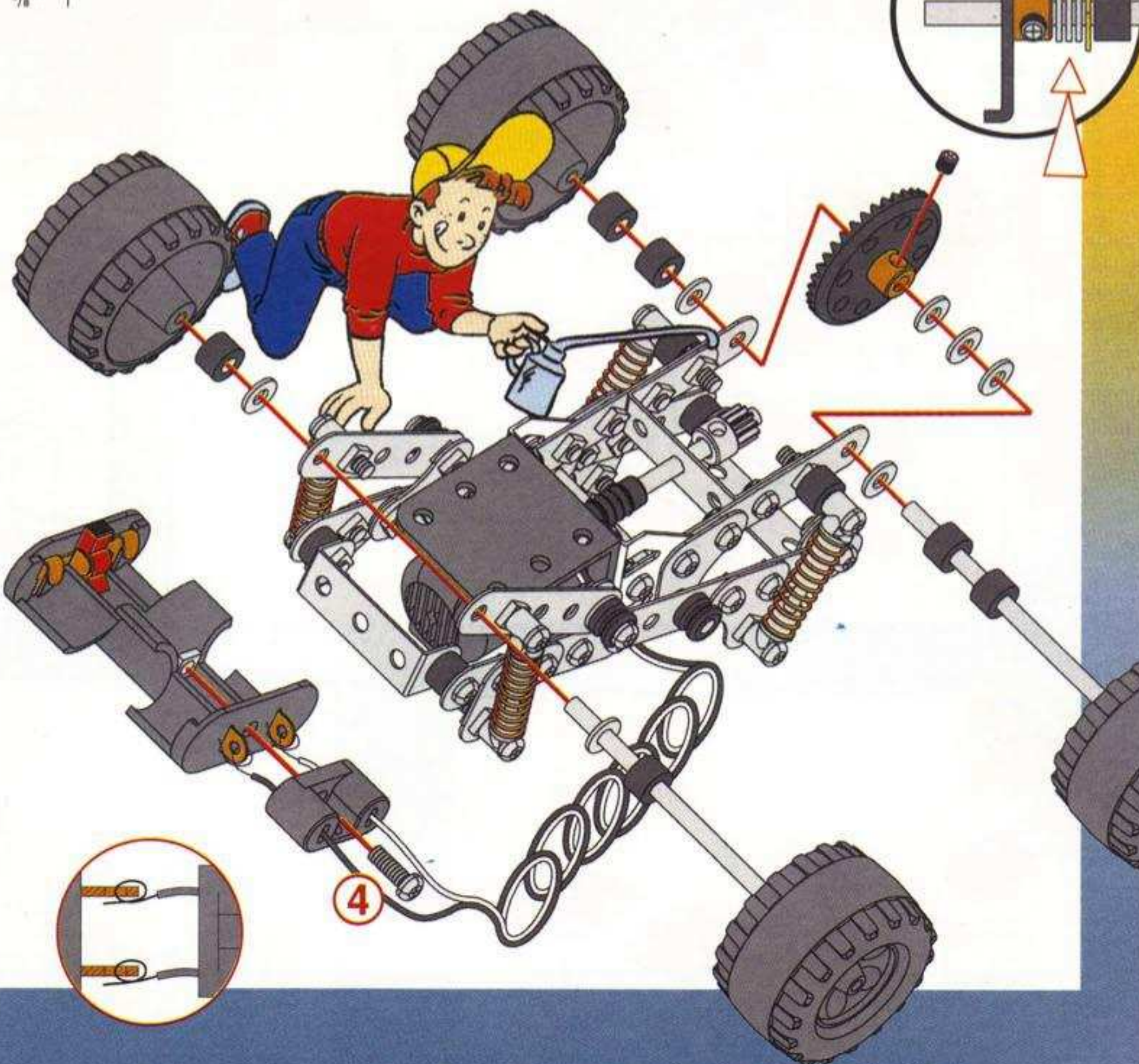
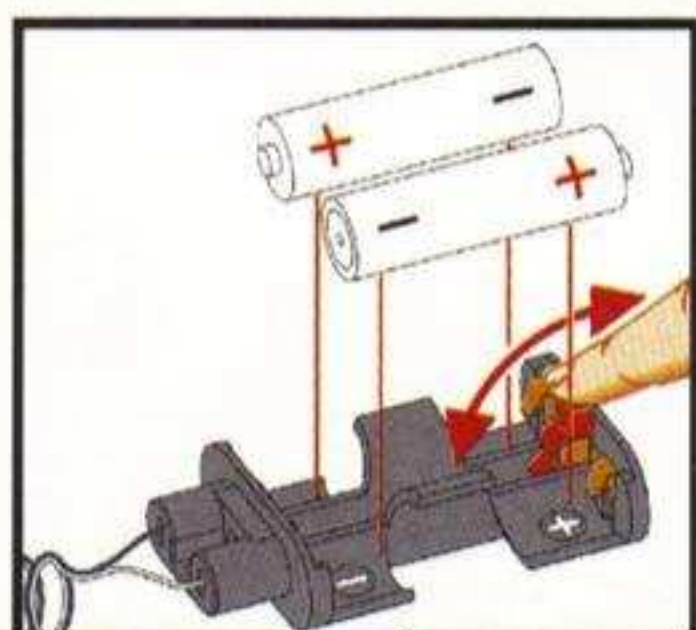
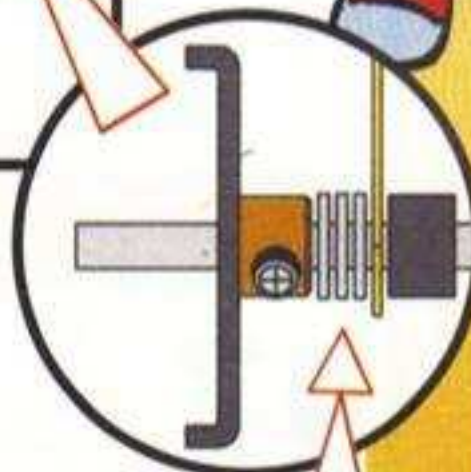
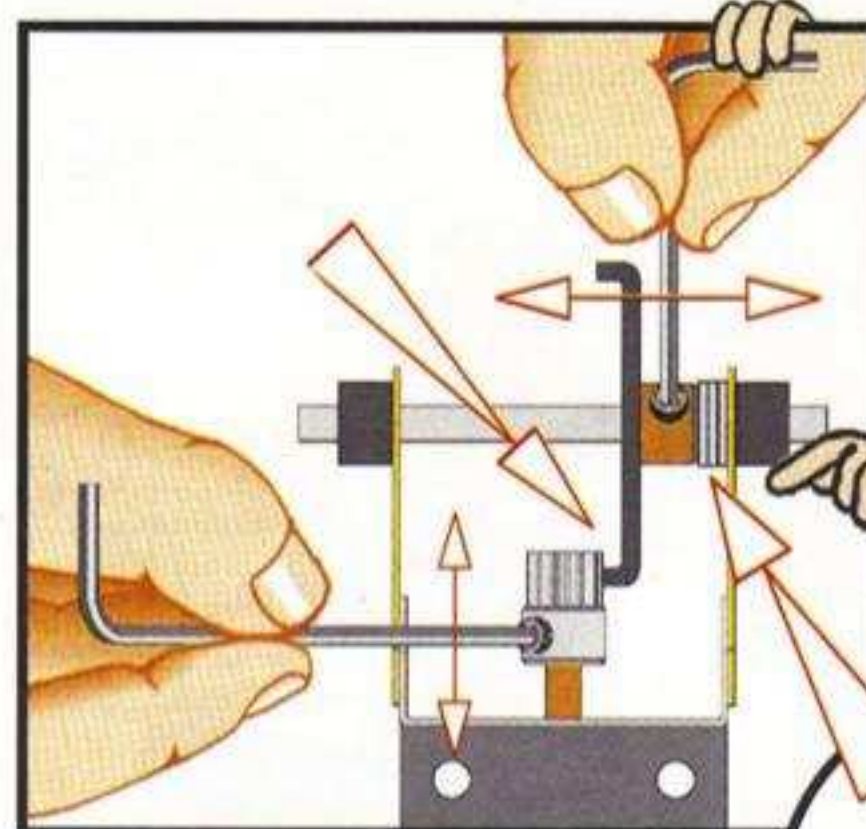
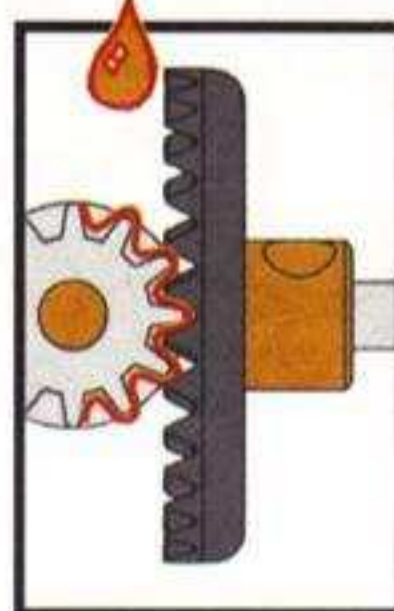
11

-  x 2
-  23 mm x 2
-  14,7 mm x 2
-  x 2



12

-  10 cm x 2
-  x 4
-  x 1
-  x 6
-  x 7
-  x 1
-  x 1
-  x 1
-  9,5 mm x 1



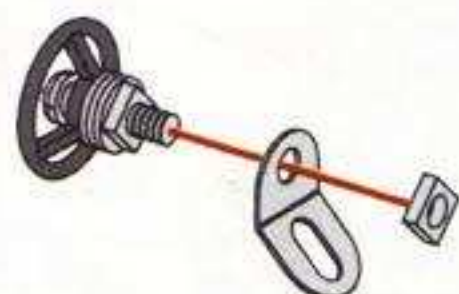
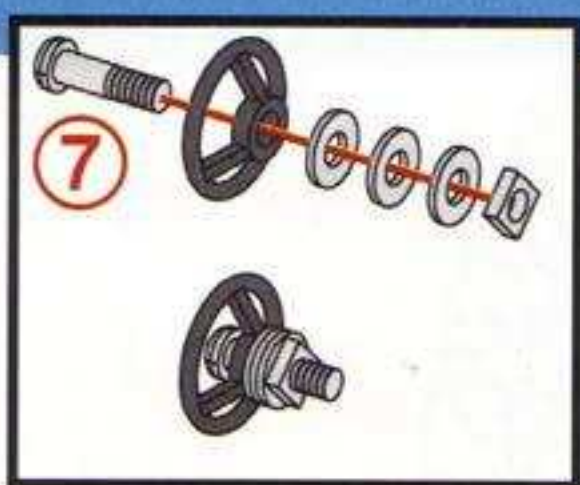
13

— x 1

— x 1

— 7 — 14,7 mm — x 1

— x 3

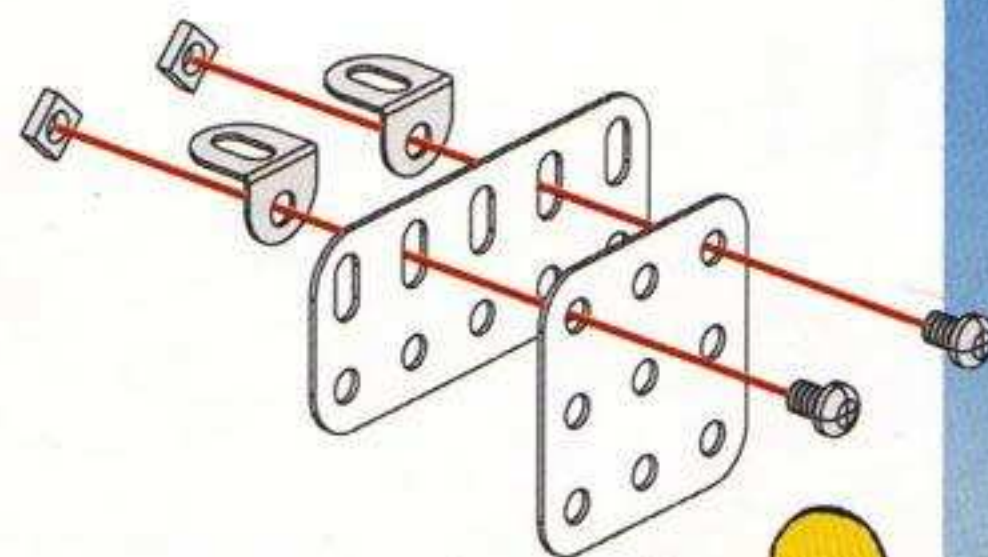


14

— x 1

— x 1

— x 2



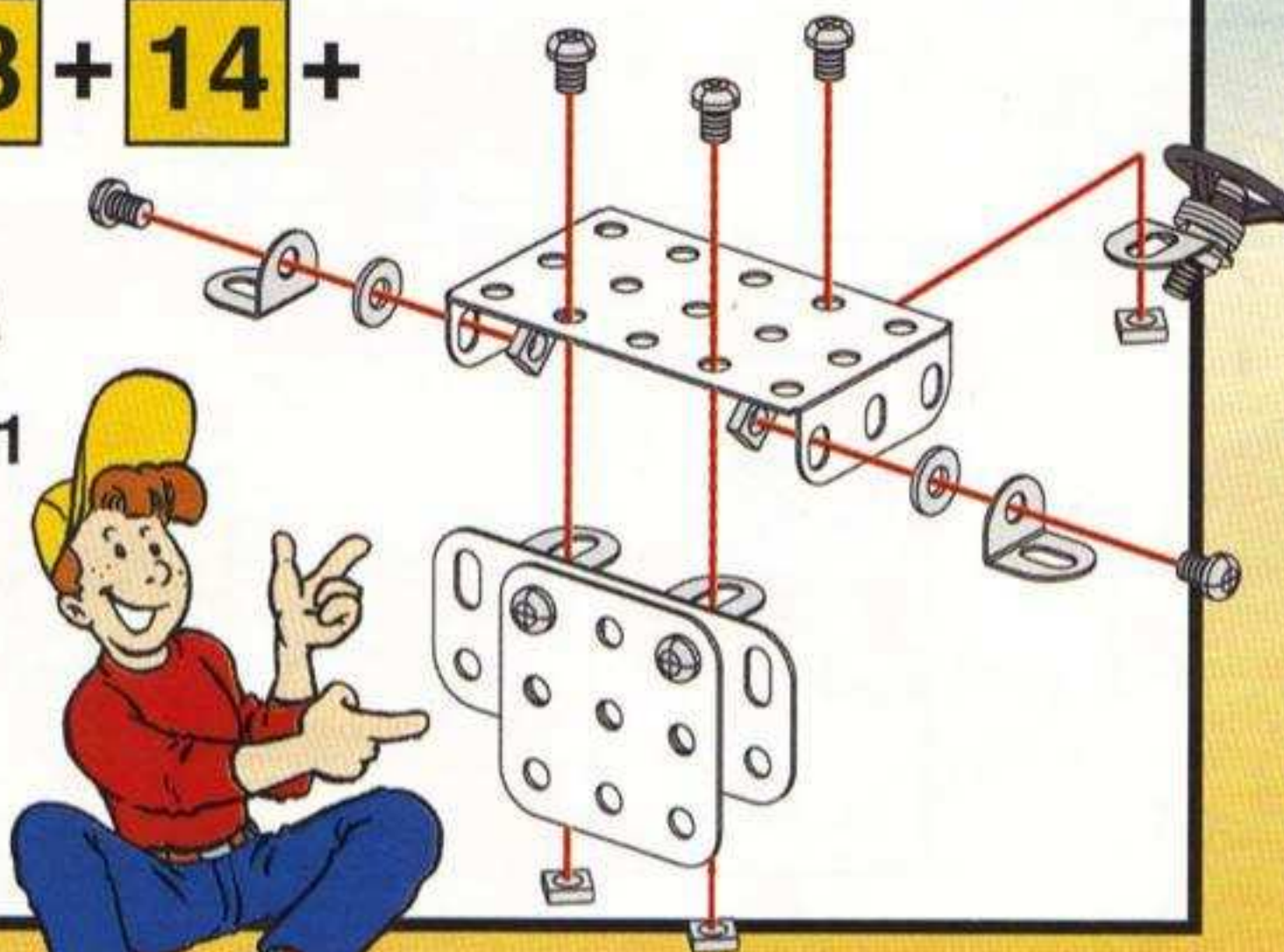
15

13 + 14 +

— x 1

— x 2

— x 2

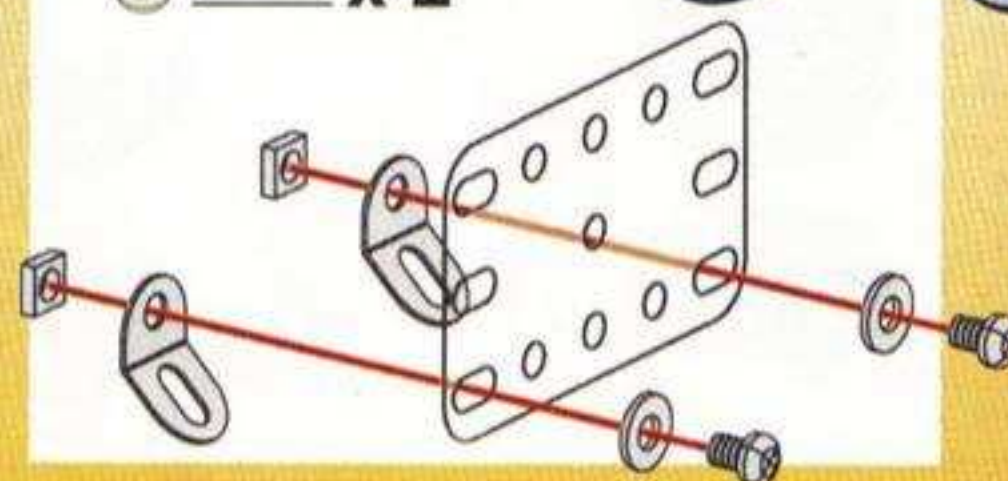


16

— x 1

— x 2

— x 2

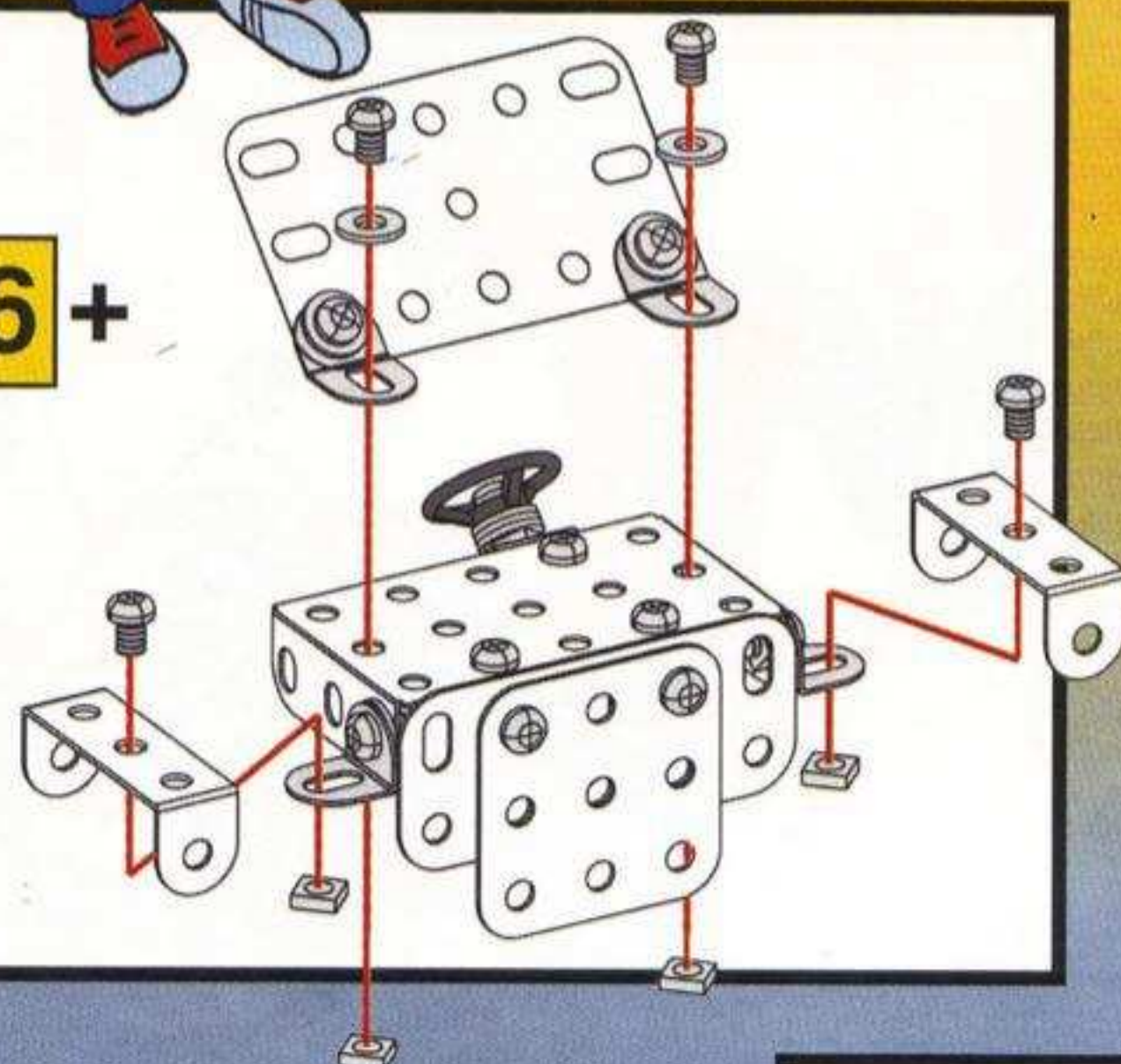


17

15 + 16 +

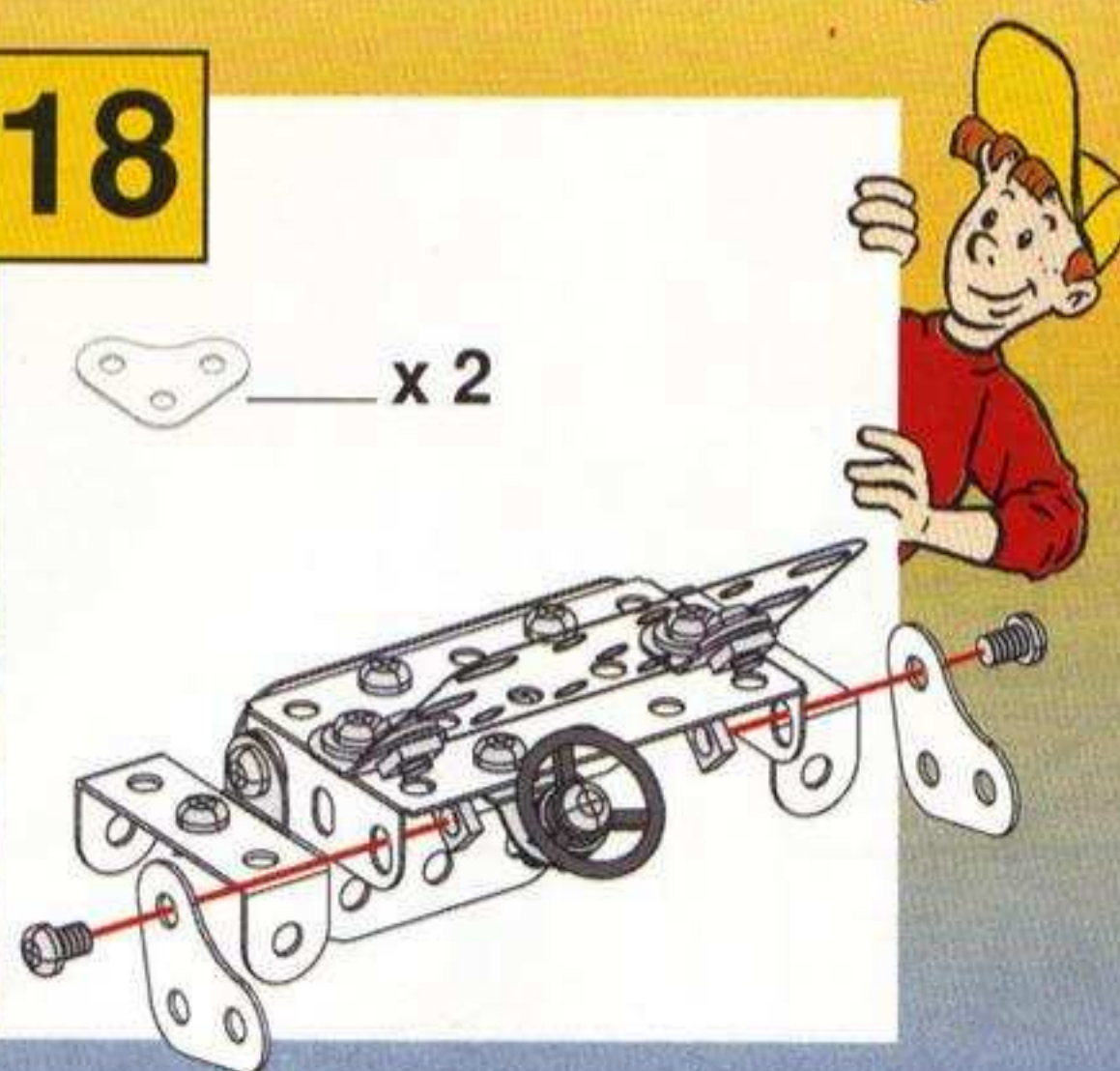
— x 2

— x 2



18

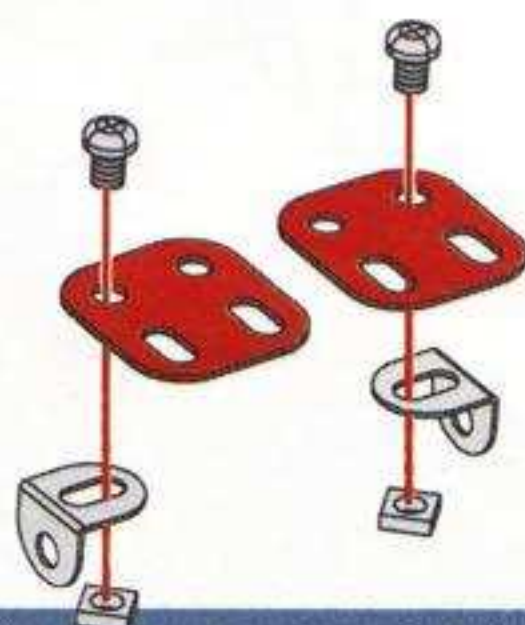
— x 2



19

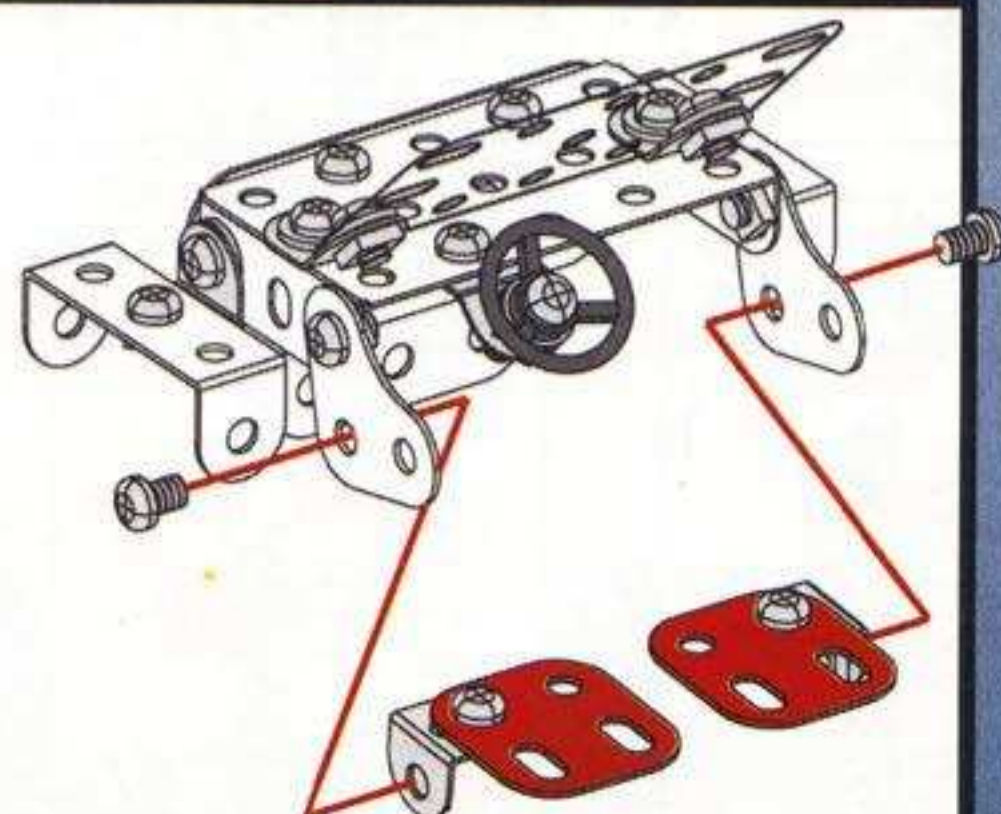
— x 2

— x 2



20

18 + 19



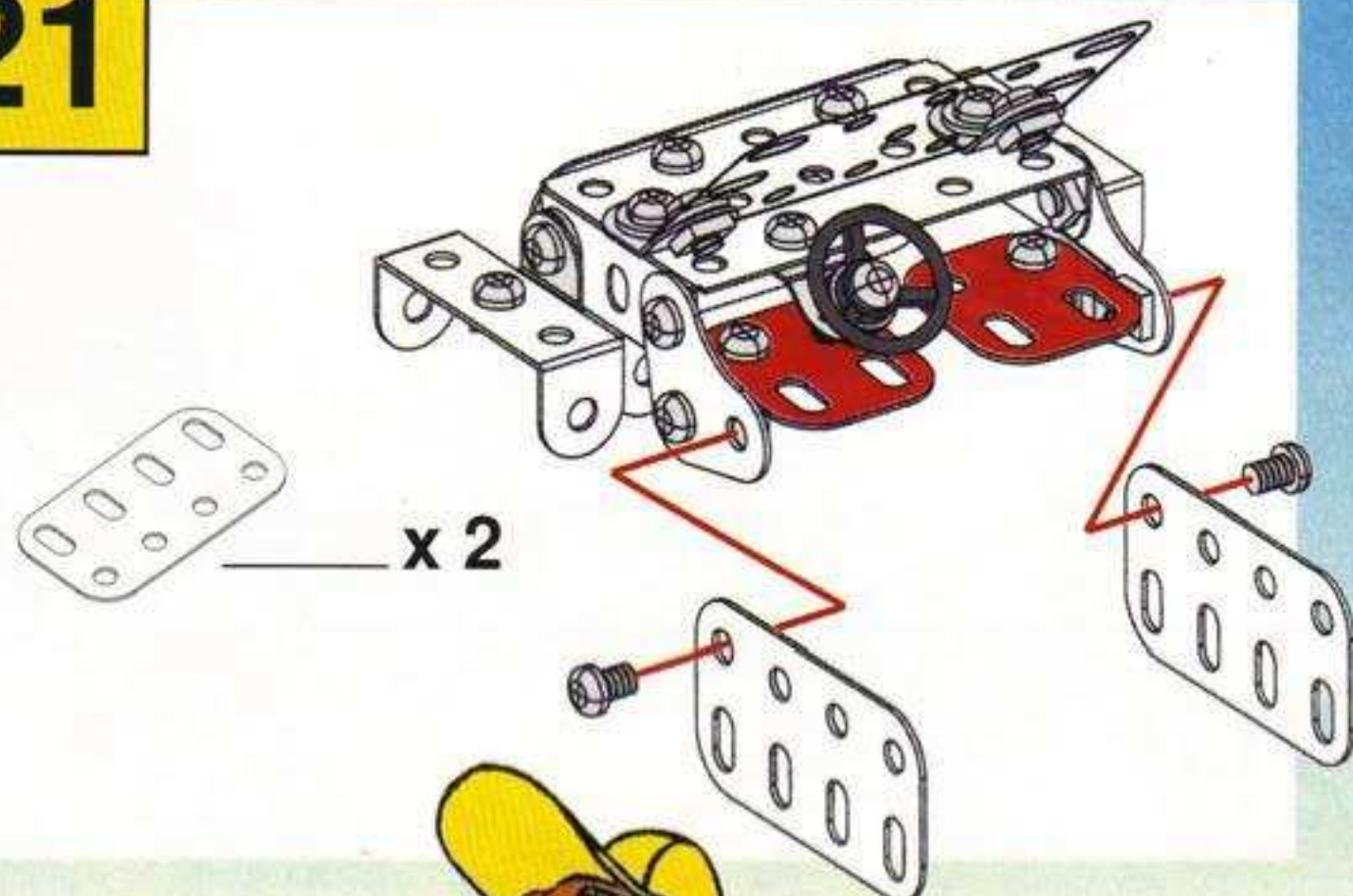
GB : MECCANO takes no responsibility where instructions have not been followed, where pieces have been put to uses other than those in the instructions, or have been modified for another use.

F : MECCANO se dégage de toutes responsabilités en cas de non-respect des indications de montage, utilisation des pièces pour un autre usage que celui indiqué dans les notices et/ou modification des pièces.

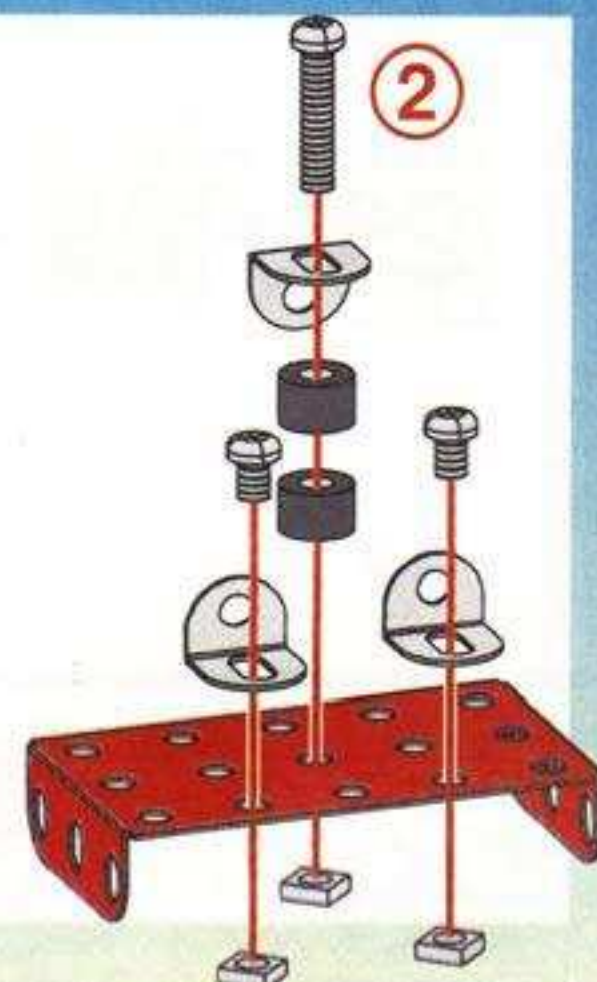
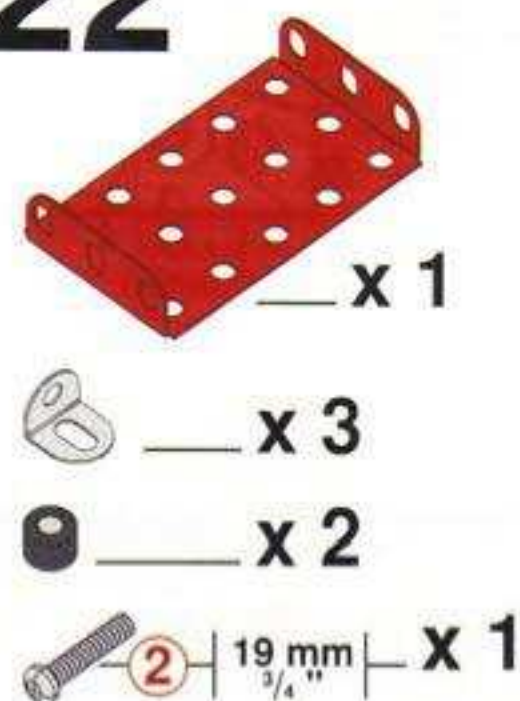
D : MECCANO kann keine Haftung übernehmen, wenn die Anleitungen nicht befolgt oder wenn Teile anders als in den Anleitungen vorgesehen eingesetzt oder abgeändert werden.

P : MECCANO não assumirá nenhuma responsabilidade sempre que as instruções não tenham sido seguidas, as peças tenham sido utilizadas noutros fins que não os contidos nas nossas instruções, ou tenham sido modificadas para outras utilizações.

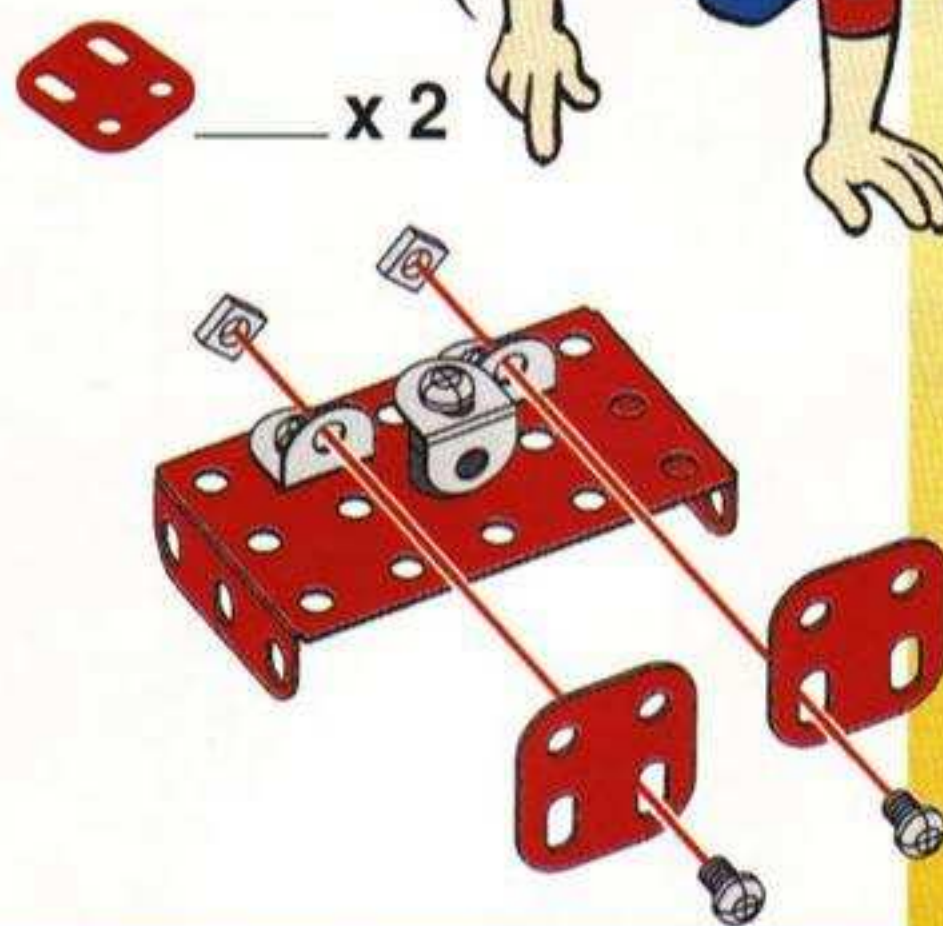
21



22

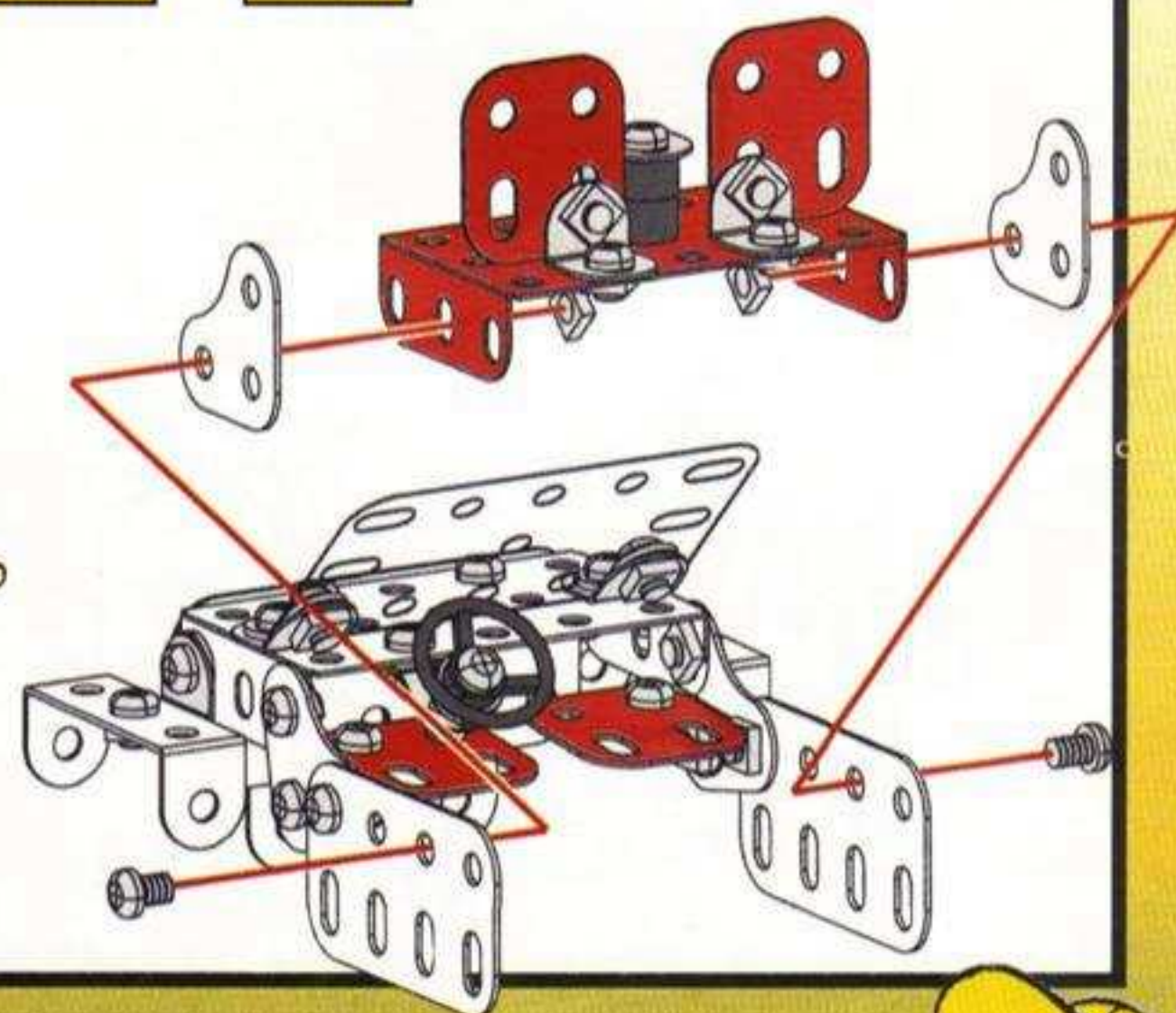


23

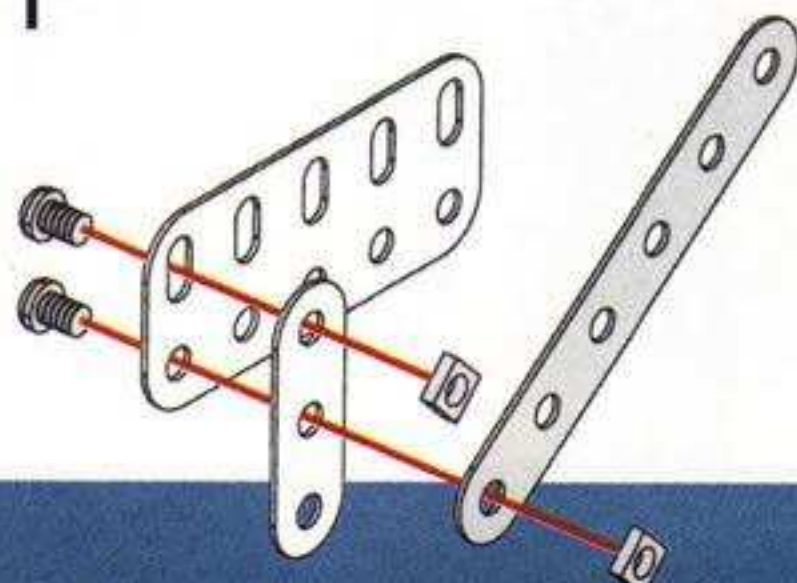
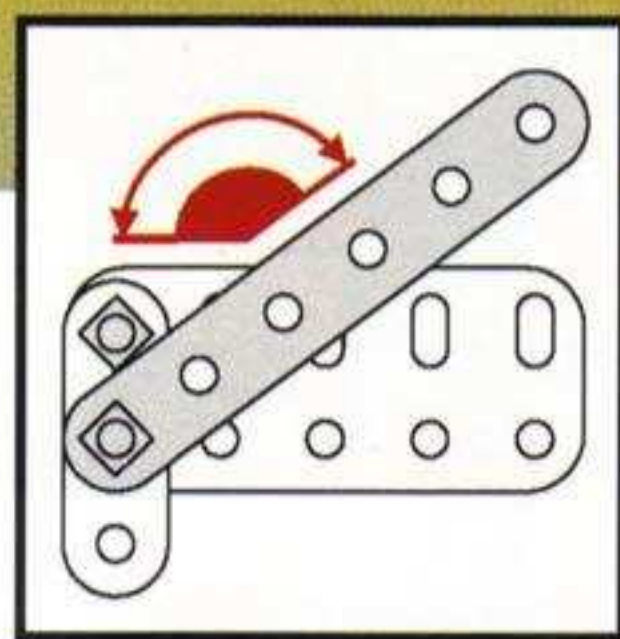
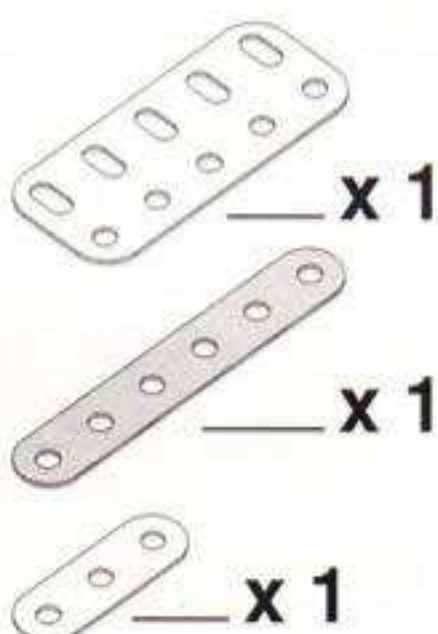


24

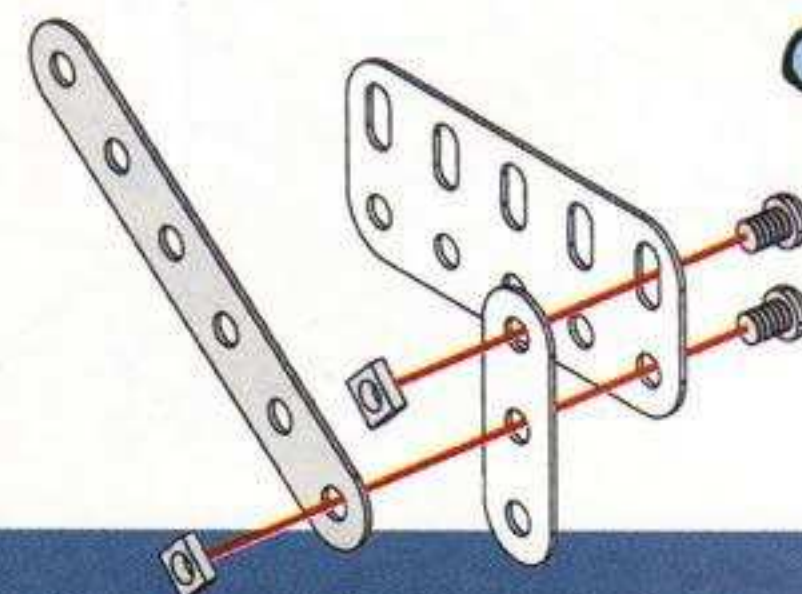
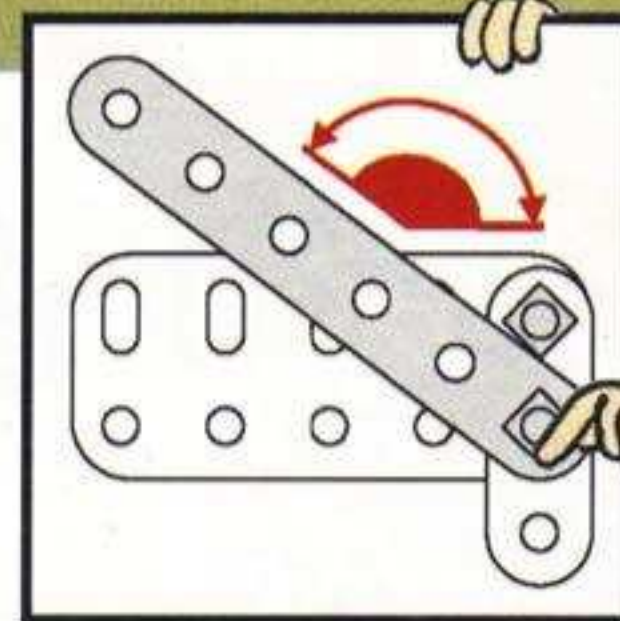
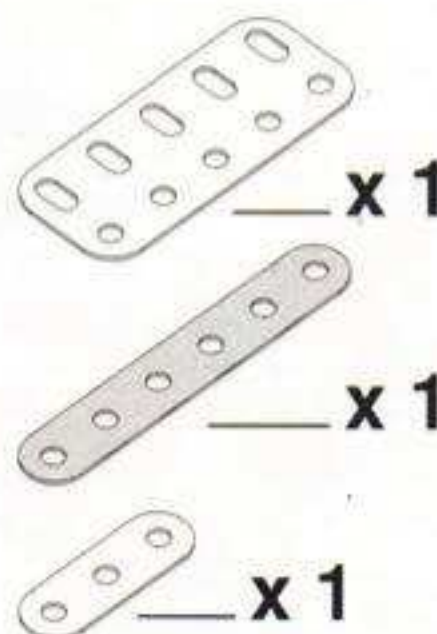
21 + 23 +



25



26



DK : MECCANO fratager sig ald ansvar, hvis materialet bliver brugt til andet end det beregnede når anvisningerne og forandringerne af delene ikke overholdes.
 NL : MECCANO is niet verantwoordelijk voor het niet opvolgen van de instructies, voor verkeerd gebruik van de onderdelen of het gebruiken van onderdelen voor andere doeleinden.
 E : MECCANO no se responsabilizará en aquellos casos en que no se hayan seguido las instrucciones, las piezas se hayan usado con distinto fin al indicado en las instrucciones, o bien se hayan modificado para otros usos.

27

25

+

26

+

x 1

x 1

x 2

28

x 1

x 2

x 2

29

x 2

x 2

30

24

+

29

31

x 1

x 1

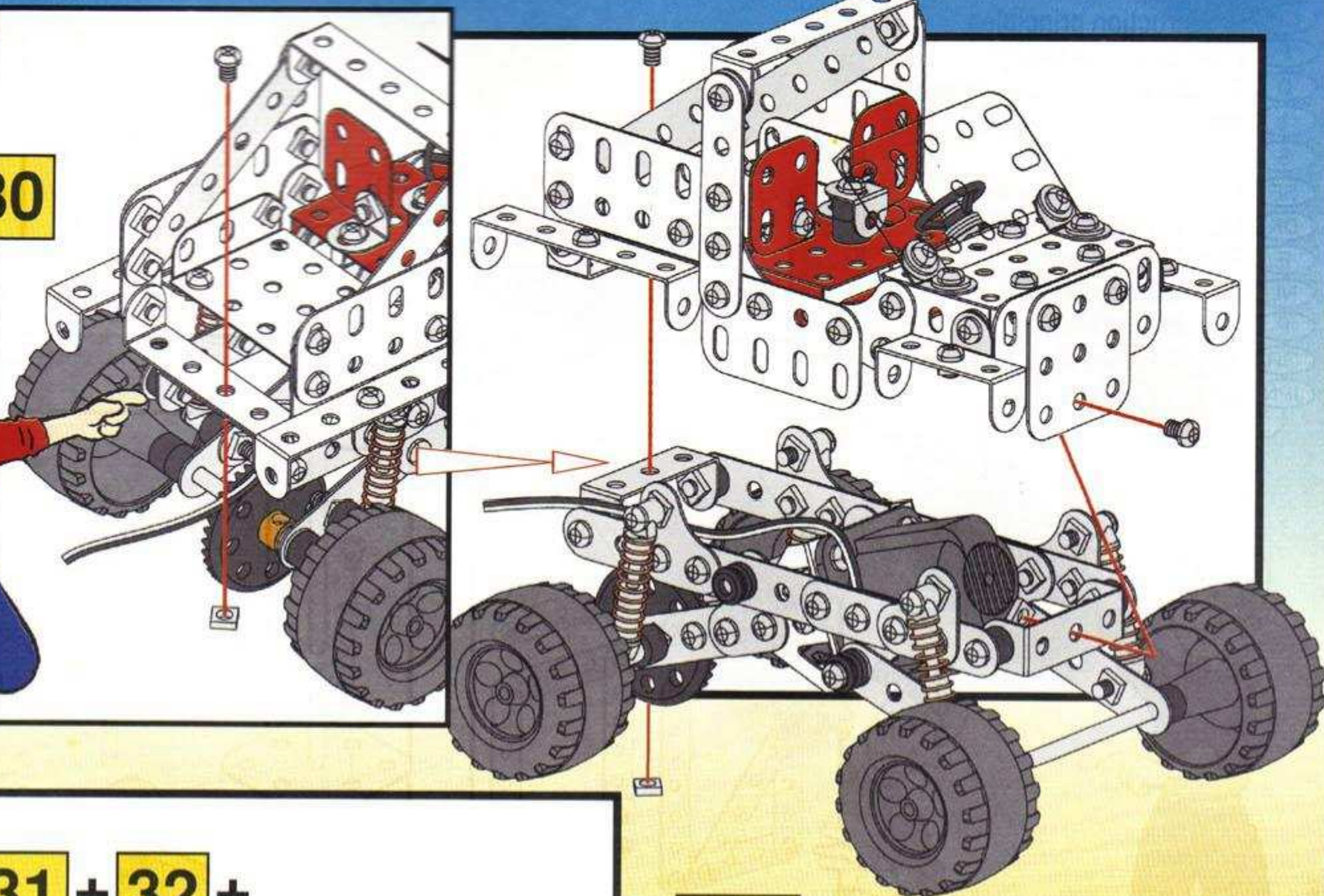
x 1

x 1

22

32

12 + 30



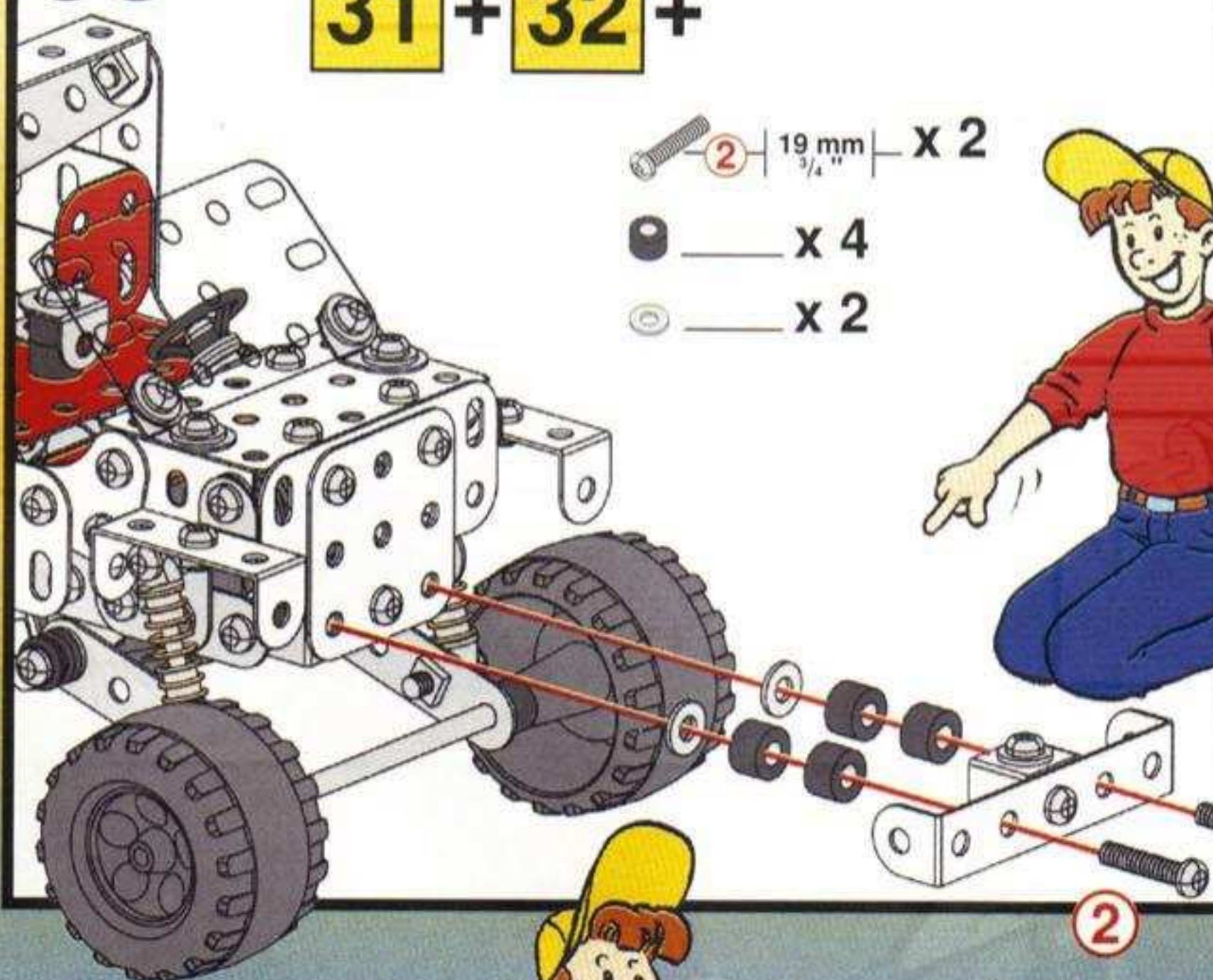
33

31 + 32 +

② 19 mm $\frac{3}{4}$ " X 2

● X 4

○ X 2

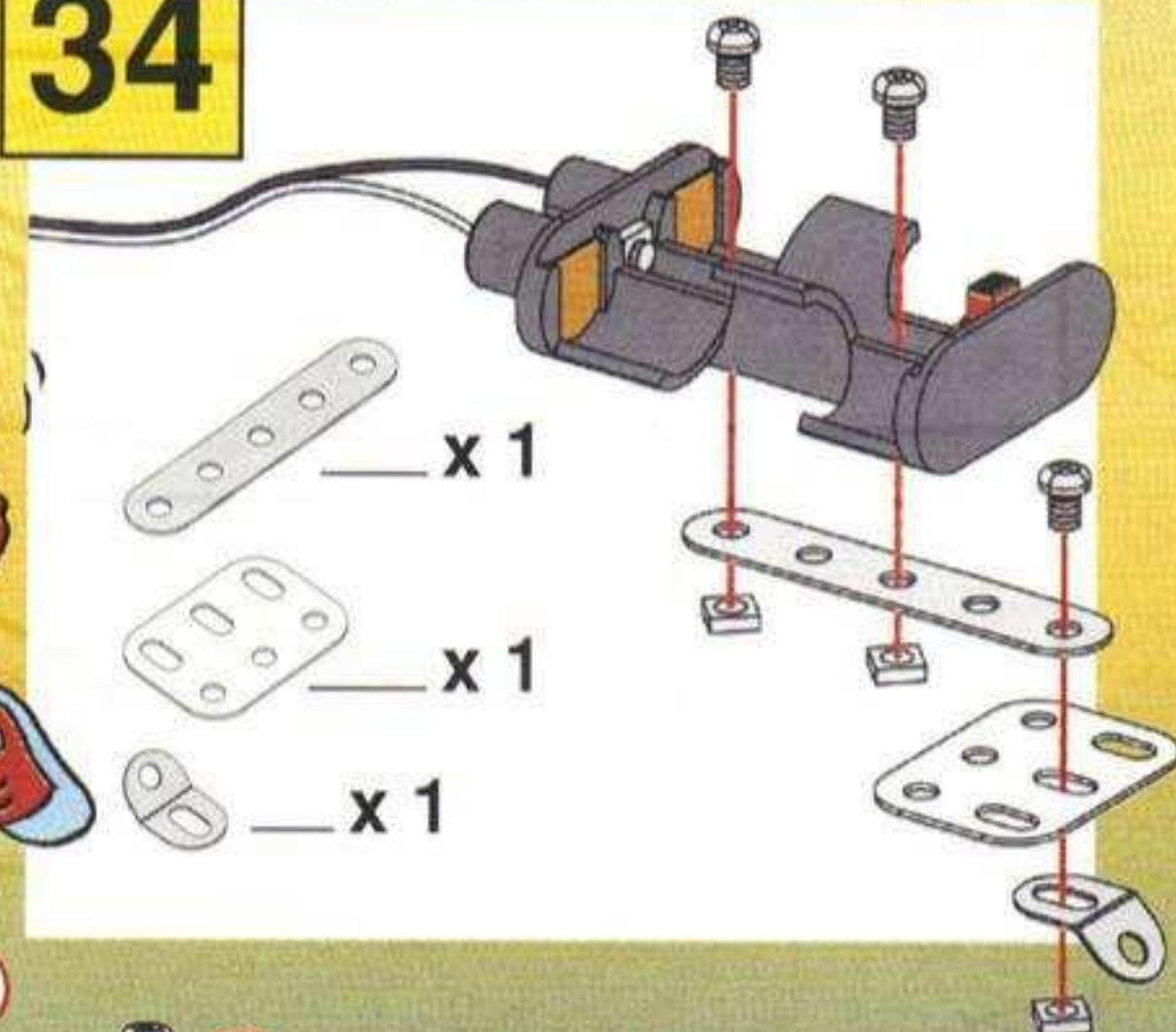


34

— X 1

— X 1

— X 1

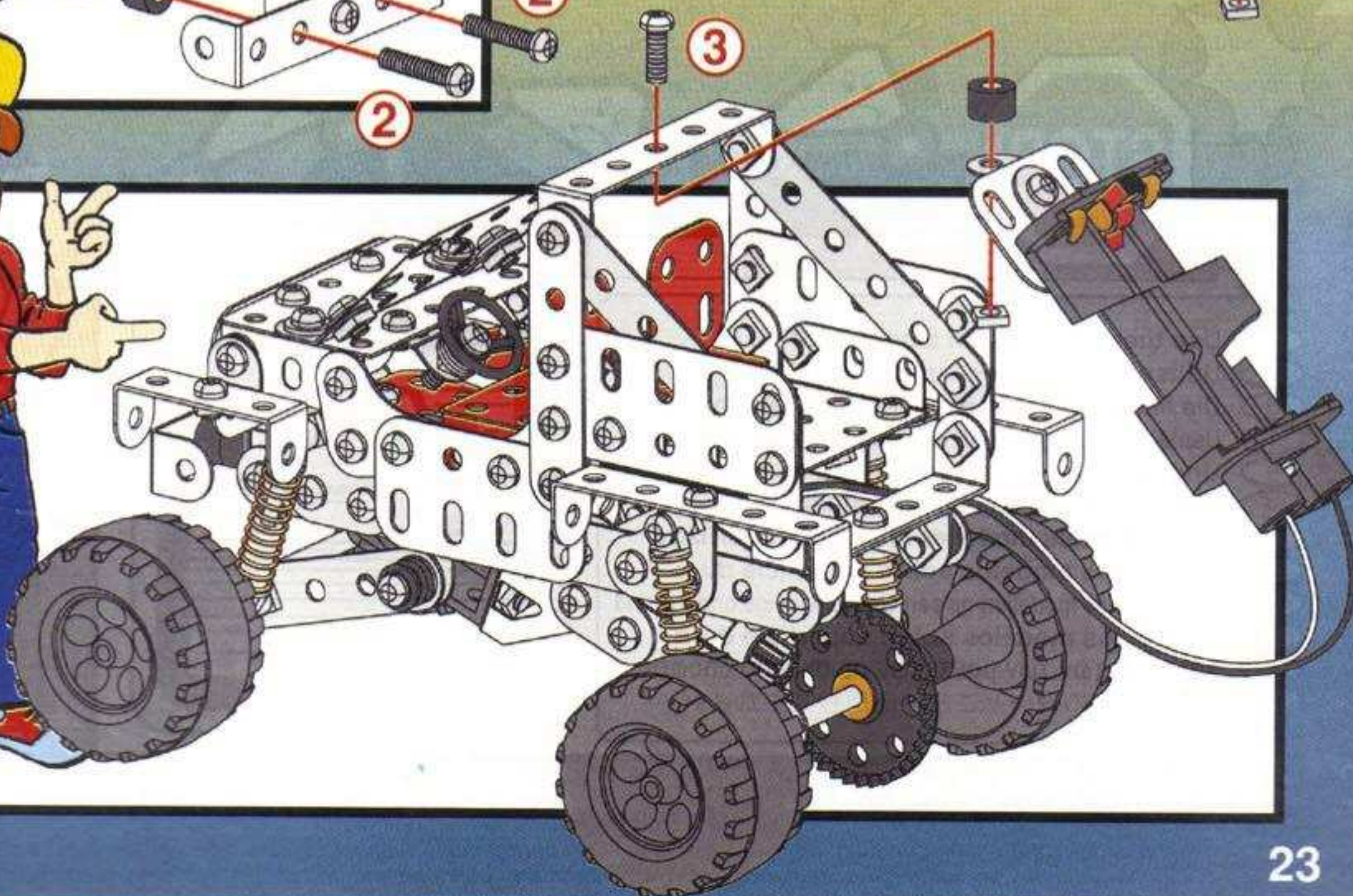


35

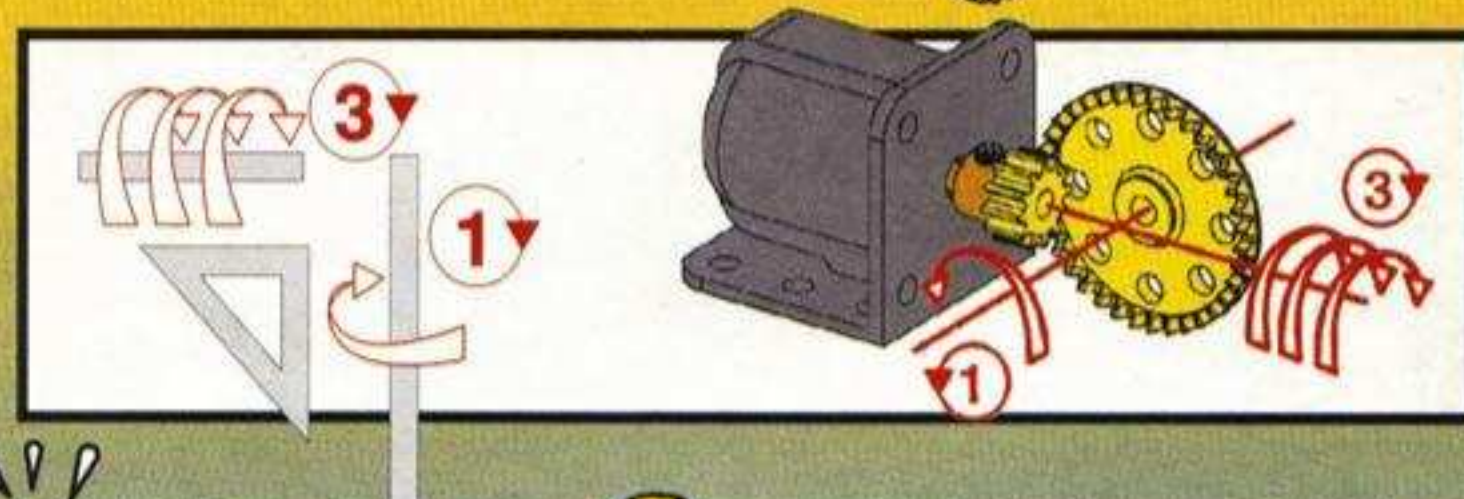
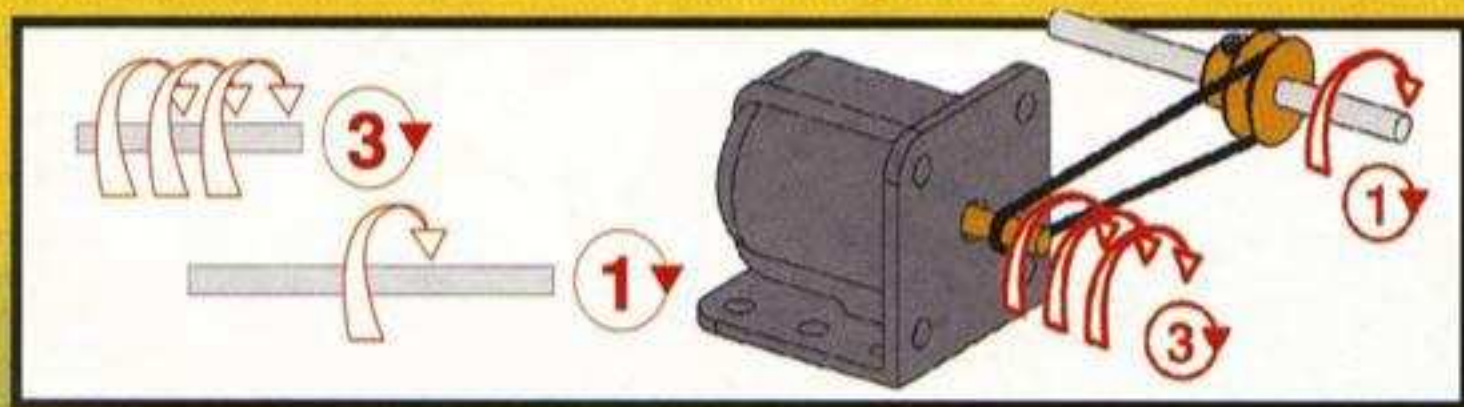
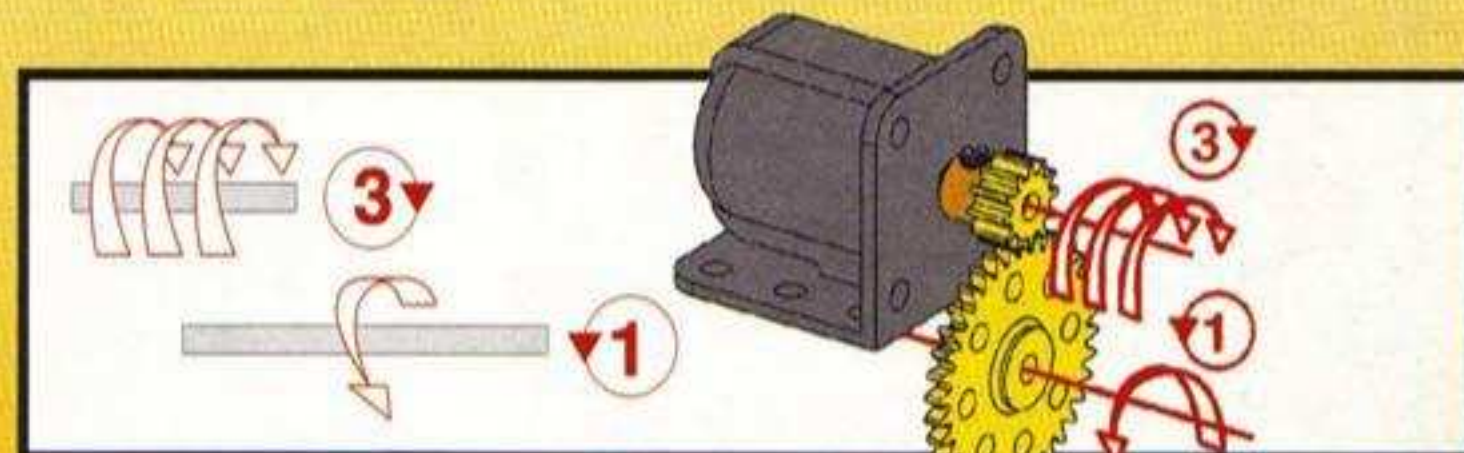
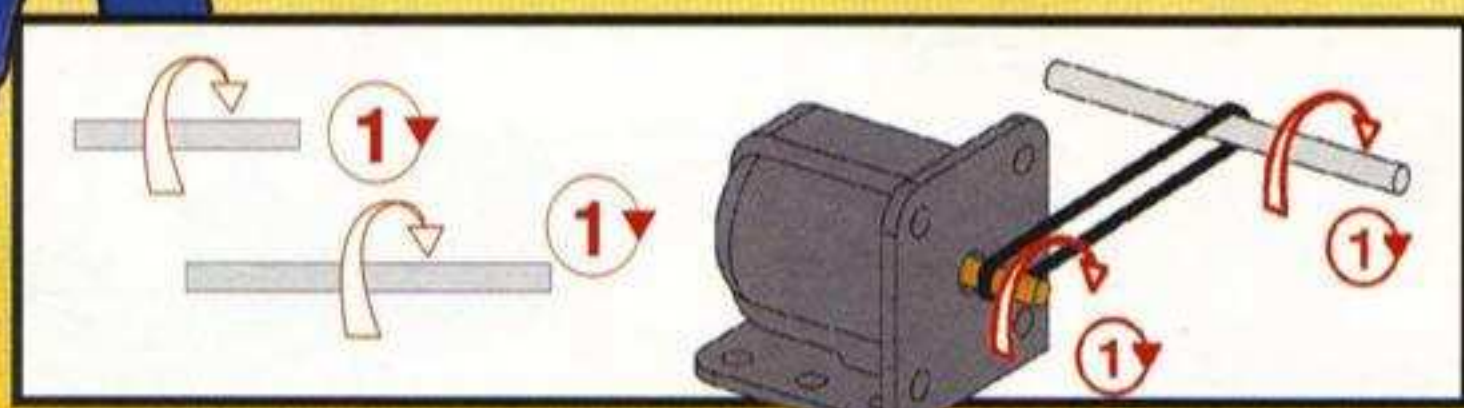
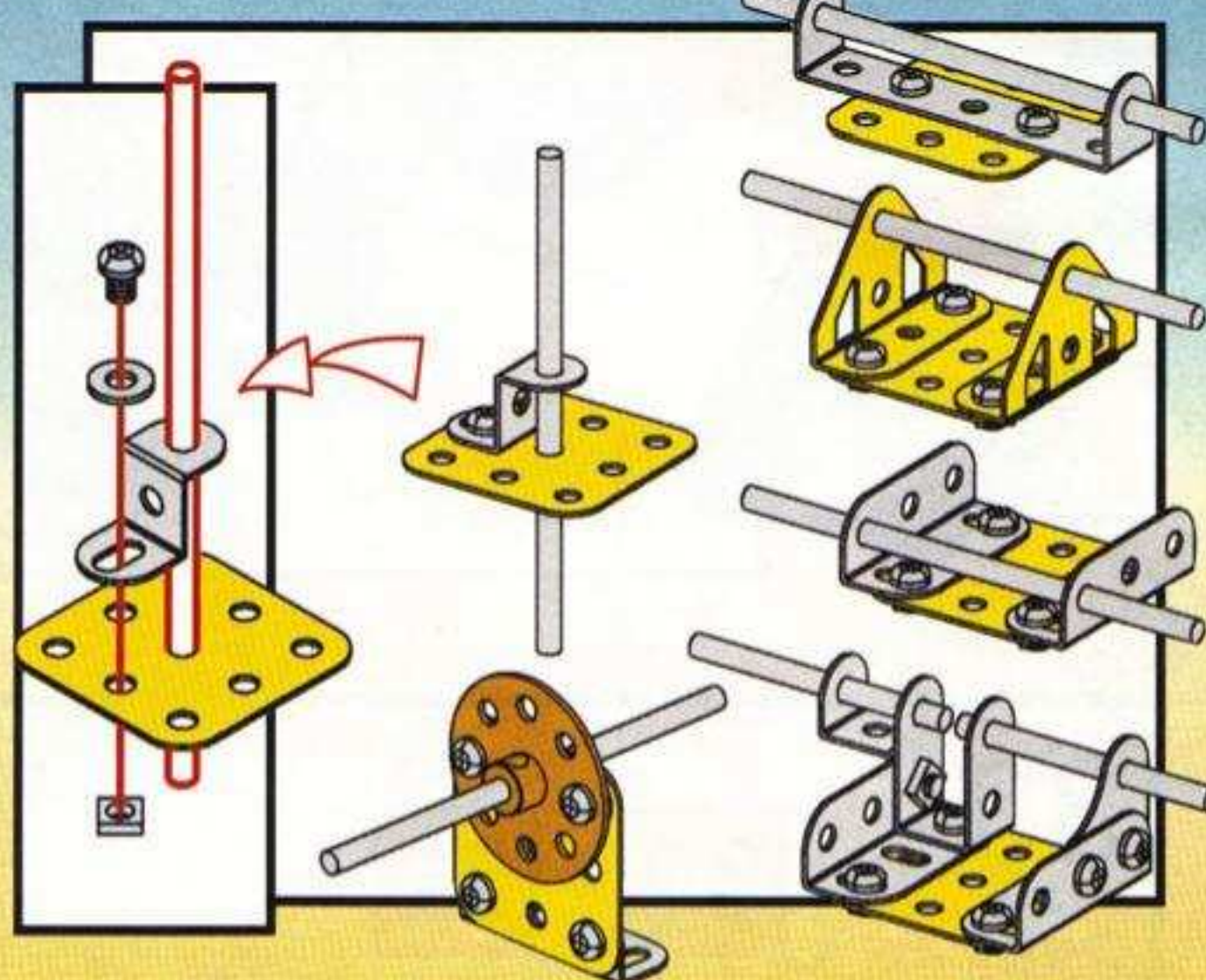
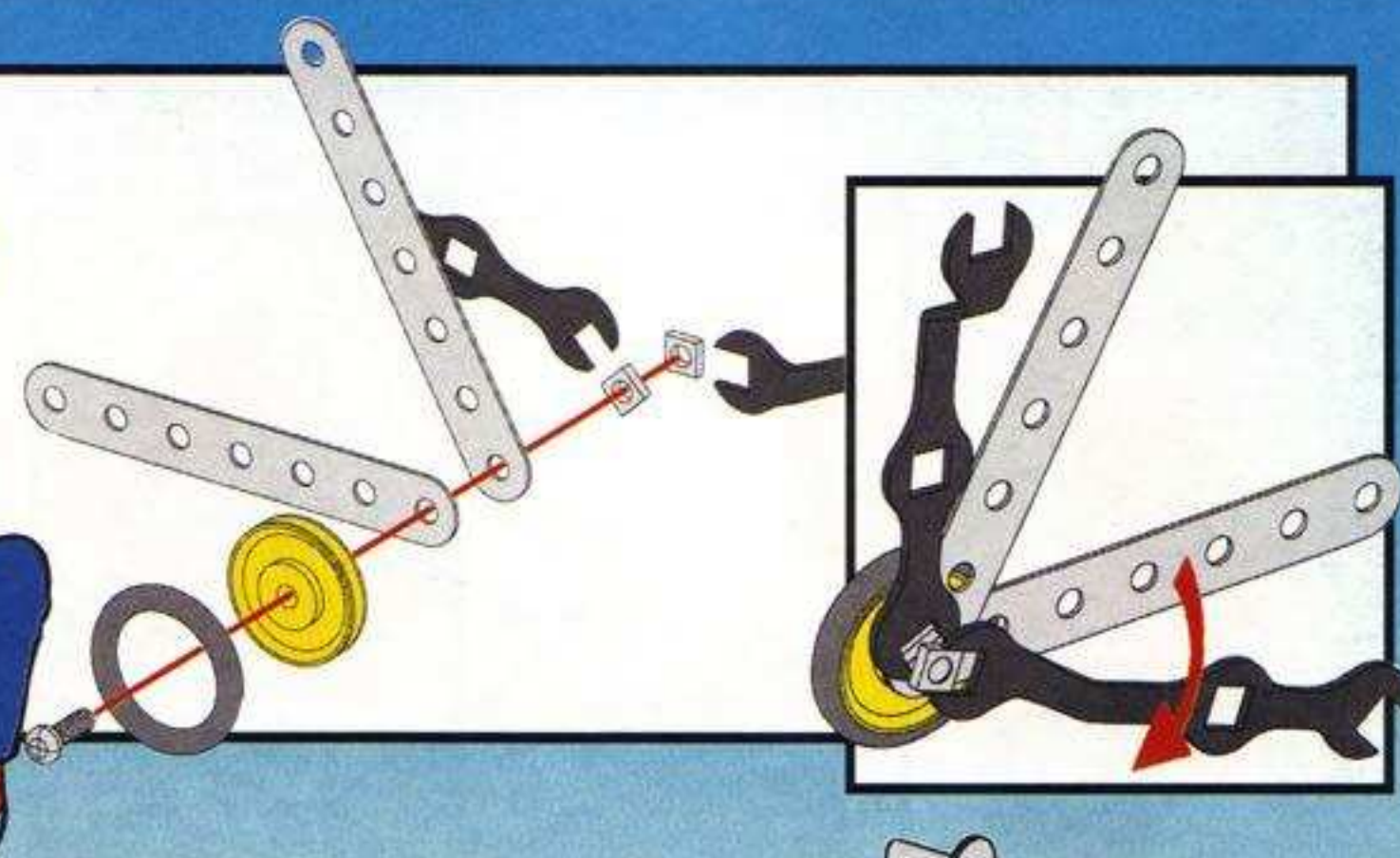
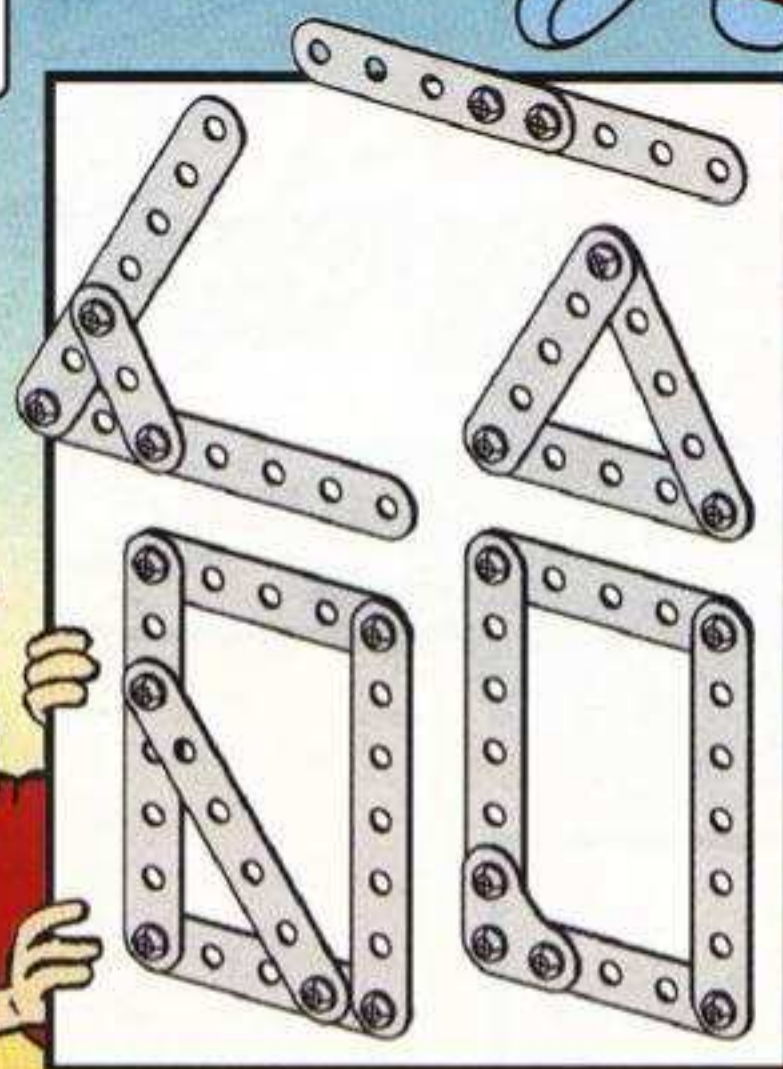
33 + 34 +

③ 12 mm $\frac{1}{2}$ " X 1

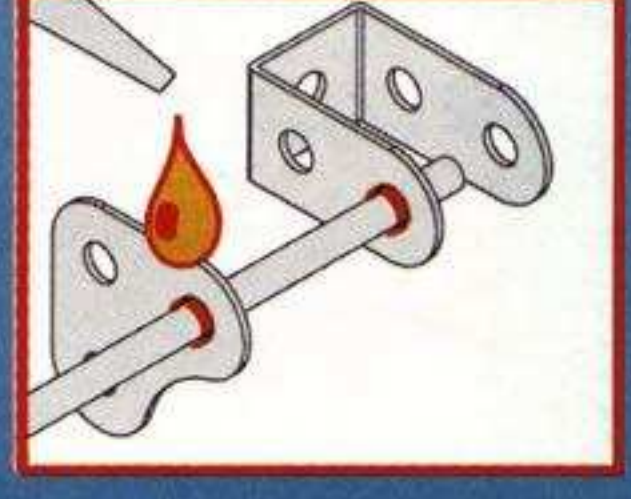
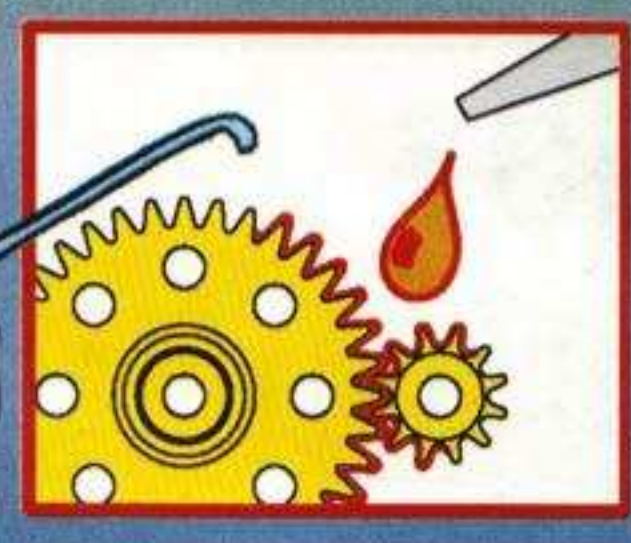
● X 1



- GB Construction principles
 F Principes de montage
 D Grundlagen für den Zusammenbau
 I Istruzioni di montaggio
 S Så här bygger du
 SF Kokoamisen periaatteet
 DK Monteringsprincipper
 E Principios de montage
 NL De grondbeginselen van het bouwen
 P Regras de montagem
 GR Αρχές συναρμολόγησης
 JPN 組立方法



- GB Use these models on a hard floor
 F Utilisez ces modèles sur surface dure
 D Die Modelle nur auf ebener Fläche fahren lassen
 I Usate questi modelli su una superficie liscia e rigida
 S Undvik att använda modellerna på mattor
 SF Käytä näitä malleja kovalla alustalla
 DK Anvend disse modeller til en hård overflade
 E Usar estos modelos sobre superficie dura
 NL Gebruik deze modellen op een vlakke, stevige ondergrond
 P Usar estes modelos sobre superficie dura
 GR Χρήση αυτών των μοντέλων σε σκληρό έδαφος
 JPN 模型は表面の硬いところで使用してください。



Made in France by :
Fabriqué en France par :

MECCANO

Avenue de Saint Exupéry
62100 CALAIS-FRANCE

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