

MECCANO[®]
SUPER
HIGHWAY
MULTIKIT[®]
BOOK OF MODELS



Please read this carefully before you start building.

In this "Super Highway" Book of models you will find instructions to build eight Meccano models. There are very clear colour pictures which show you each step in the building of every model.

This "Super Highway" Book of Models is only one part of a 2-book set. You will find complete plans for building eight more models in the "Highway" Book of Models which also contains in its opening pages, details of the Basic Constructions used in assembling all of the models in both books.

Remember, all the models in both books are only suggestions. With practice, you'll find you can design and build your own and, if you need extra parts, you can buy or order Meccano spare parts from your Meccano shop. So off you go. And have fun.

How to use Meccano.

With just a little practice, Meccano is very easy to use. The only tools you need are a screwdriver and two spanners.

Perhaps you've used your father's tools before, but in case you haven't, this is how they work.

The screwdriver is used to turn Bolts. You simply put the blade of the screwdriver into the slot in the top of the Bolt and turn the screwdriver clockwise (to the right). To undo a Bolt, you turn the screwdriver the other way.

Nuts go on the other end of Bolts to make a tight joint. Start by turning the Nut on the thread of the Bolt with your fingers. Then use the screwdriver to tighten the Bolt. If the Nut and Bolt turn together you can hold the Nut with the spanner while you tighten the Bolt.

There are two spanners in the Multikit so that you can make a locknut. You will need a locknut when you want a piece to move freely between a Nut and Bolt. To make one, you just thread two Nuts on to the end of a Bolt and tighten them against each other.

When bending Flexible Plates form them over a round pencil (or something like it). Hold the pencil against the underneath of the Flexible Plate *between the rows of holes*. Place your fingers on top of the Plate and press, it over the pencil. It's rather like folding a piece of paper.

When you're building Meccano models, you will sometimes need certain standard joints. These are called *Basic Constructions* and each one is identified by a number.

It's a good idea to practice these joints, because when you know how to make them, you'll build your Multikit models with no trouble at all.

Basic Construction number BC3 shown in the "Highway" Book of Models is not needed to build the models in *this* book. It is included because you will probably need it when you start building models of your own design.

Bei Baubeginn bitte genau durchlesen!

Dieser "Super Highway" Modellband enthält Anweisungen zum Bau von acht Meccano-Modellen. An klaren Farbbildungen wird jeder Schritt zum Bau der einzelnen Modelle erläutert.

Dieser "Super Highway" Modellband ist Teil eines zweibändigen Satzes. Im "Highway" Modellband sind komplette Pläne zum Bau weiterer acht Modelle enthalten, ferner Angaben über den Grundaufbau auf den ersten Seiten, die beim Bau aller Modelle der beiden Bände verwendet wurden.

Alle Modelle in beiden Bänden sind nur Vorschläge. Nach einiger Zeit werden Sie feststellen, dass Sie selbst entwerfen und bauen können. Sollten Sie zusätzliches Meccanozubehör benötigen, so können Sie dieses in Ihrem Meccanogeschäft kaufen oder dort bestellen.

Dann also los. Und viel Vergnügen.

Handhabung.

Mit nur wenig Übung lässt sich Meccano leicht handhaben. An Werkzeugen werden lediglich ein Schraubenzieher und zwei Schraubenschlüssel benötigt.

Wahrscheinlich hast Du schon einmal die Werkzeuge Deines Vaters benutzt, doch wollen wir vorsorglich deren Arbeitsweise nachfolgend genauer beschreiben.

Mit dem Schraubenzieher werden Schrauben gedreht. Hierzu musst Du die Klinge in den Schlitz des Schraubenkopfes einlegen und den Schraubenzieher dann im Uhrzeigersinn (als nach rechts) drehen. Um eine Schraube zu lösen, drehst Du den Schraubenzieher in der entgegengesetzten Richtung.

Muttern werden am anderen Ende der Schraube angebracht um eine feste Verbindung zu schaffen. Zuerst musst Du die Mutter mit den Fingern auf das Schraubengewinde aufdrehen, und danach kannst Du die Mutter mit dem Schraubenschlüssel festziehen. Wenn sich dabei nun Schraube und Mutter zusammen drehen, kannst Du die Klinge des Schraubenziehers in den Schlitz des Schraubenkopfes einlegen und so die Schraube festhalten, während Du die Mutter festziehst.

In dem Bausatz findest Du zwei Schraubenschlüssel, die Du zur Herstellung einer festen Verbindung durch eine Gegenmutter benötigst. Eine solche Verbindung brauchst Du, wenn sich ein Bauteil zwischen der Mutter und der Schraube frei bewegen soll. Du schaffst eine solche feste Verbindung, indem Du zwei Muttern auf das Schraubengewinde aufdrehst und die beiden Muttern dann gegeneinander fest anziehst.

Wenn Sie Bleche biegen, tun Sie das mit Hilfe eines runden Bleistiftes. Halten Sie den Stift unter das flexible Blech *zwischen die Lochreihe*. Legen Sie einen Finger oben auf das Blech und drücken Sie den Stift als wenn Sie ein Stück Papier falten würden.

Zum Bauen von Meccano-Modellen wirst Du gelegentlich gewisse Standardverbindungen benötigen, die man "*Grundbauart*" nennt und die durch Kennzahlen unterschieden werden.

Es ist zu empfehlen, dass Du diese Grundbauarten übst, weil Du dann Deine Multikit-Modelle ohne Schwierigkeiten erstellen kannst.

Zum Bau der Modelle dieses Bandes wird der Grundaufbau Nr. BC3 im Modellband "Highway" nicht benötigt. Er wurde eingefügt, da er wahrscheinlich beim Bau eigener Modelle gebraucht wird.

A lire attentivement avant de commencer le montage.

Dans ce catalogue "Super Grande Route", vous trouverez toutes les instructions nécessaires à la construction de huit modèles Meccano. Les illustrations, tout en couleur, sont très claires et vous montreront chaque étape de la construction de chacun des modèles.

Ce catalogue "Super Grande Route" fait partie d'un ensemble de deux volumes. Vous trouverez les plans complets nécessaires à la construction de huit autres modèles dans le catalogue "Grande Route" qui vous donnera aussi, dans ses premières pages, tous les détails de construction de base à utiliser dans le montage de tous les modèles des deux volumes.

Souvenez-vous, tous les modèles présentés dans les deux catalogues ne sont que des suggestions. Avec de la pratique, vous découvrirez que vous pouvez créer et construire votre propre modèle. Si vous avez besoin de pièces supplémentaires, vous pouvez acheter ou commander des pièces de rechange pour Meccano de votre vendeur de Meccano.

Alors, bon départ ! Et, amusez-vous bien.

Comment utiliser Meccano.

Vous verrez qu'avec un tout petit peu d'entraînement, Meccano est très facile à utiliser. Les seuls outils dont vous avez besoin sont : un tournevis et deux clés.

Vous vous êtes peut-être déjà servi de ceux de votre père. Dans le cas contraire, voici comment ils fonctionnent.

Le tournevis sert à visser un boulon dans une pièce Meccano. Il suffit de mettre la lame du tournevis dans la fente de la tête du boulon et de tourner dans le sens des aiguilles d'une montre. Pour dévisser un boulon, tournez le tournevis dans le sens opposé.

Les écrous se mettent sur l'autre extrémité du boulon afin d'assurer une fixation solide. Commencez par visser l'écrou sur le boulon avec vos doigts. Prenez ensuite le clé pour serrer l'écrou. Si l'écrou et le boulon tournent ensemble, mettez le tournevis dans la fente du boulon et maintenez-le pendant que vous serez l'écrou.

Il y a deux clés dans ce Multikit, de façon que vous puissiez faire une articulation à contre-écrou. Pour cela, il suffit d'enfiler deux écrous sur le bout d'un boulon et de les serrer l'un contre l'autre. Vous utiliserez ce procédé pour qu'une pièce bouge librement entre un écrou et un boulon.

Pour certains modèles, vous aurez besoin de crayon rond ou tout autre objet de forme similaire. Maintenez le crayon sous la plaque, *entre deux rangées de trous*. Posez un doigt sur la plaque et appuyez-la contre le crayon, comme pour plier un morceau de papier.

Pour certains modèles, vous aurez besoin de montages. Ceux-ci sont appelés "*montages de base*" et chacun possède un numéro.

Il est bon de vous entraîner à faire ces montages de base. Une fois que vous les connaissez bien, vous n'aurez absolument aucun problème pour réaliser vos modèles "Multikit".

Le No. BC3 de construction de base présenté dans le catalogue "Grande Route" n'est pas nécessaire pour la réalisation des modèles de ce volume. Nous l'avons inclus parce que vous en aurez probablement besoin quand vous commencerez à construire vos propres modèles.

Prima di cominciare le costruzioni leggere attentamente quanto segue.

In questo libro dei modelli "Super Highway" figurano le istruzioni per costruire otto modelli Meccano. Il libro è dotato di disegni a colori che illustrano con chiarezza tutte le fasi per costruire il modello prescelto.

Il presente libro "Super Highway" è la prima parte di una serie di due libri. I disegni per la costruzione di altri otto modelli figurano nel libro dei modelli "Highway" il quale, nelle prime pagine, contiene parimenti dettagli sulle costruzioni basiliche usate per il montaggio di tutti i modelli di entrambi i libri.

Ricordate che i modelli figuranti in entrambi i libri rappresentano soltanto suggerimenti. Con la pratica potrete costruire in base ai vostri progetti. Se vi occorrono pezzi supplementari potrete acquistare o ordinare le parti del Meccano dal vostro rivenditore di Meccano.

Come vedete, è semplice e divertente.

Le Costruzioni MECCANO

Con un poco di pratica, costruire modelli MECCANO è molto facile. I soli utensili necessari sono un cacciavite e due chiavi per dadi.

Forse avrete già adoperato gli utensili di vostro padre, in caso contrario seguite queste istruzioni.

Il cacciavite serve per avvitare le viti. Inserirlo nella punta del cacciavite nel taglio sulla testa della vite e girate in senso orario. Per allentare una vite, girate il cacciavite nel senso contrario.

I dadi si avvitano alle viti per unire insieme i pezzi MECCANO. Si comincia girando con le dita il dado, in senso orario, sul gambo della vite. Quindi si usa la chiave per stringere bene il dado. Se alle volte il dado e la vite girano insieme, inserire la punta del cacciavite nel taglio della vite tenendo fermo e con la chiave stringete strettamente il dado. Può essere talvolta più facile tenere fermo il dado con la chiave e avvitare la vite con il cacciavite.

Nella scatola Multikit vi sono die chiavi per dadi per poter fare il "controdado". Per realizzare il "contradado" avvitate due dadi sul gambo di una vite e stringeteli strettamente uno contro l'altro, lasciando tra i dadi e la testa della vite lo spazio utile per il libero movimento di un braccio articolato.

Le piastrine flessibili devono venir piegate usando una matita rotonda o un oggetto analogo. Collocare la matita contro il lato sottostante della piastrina, tra la fila di fori. Con un dito, premere il lato superiore della piastrina, sopra la matita, allo stesso modo in cui si piega un pezzo di carta.

Nella costruzione di modelli MECCANO alle volte sono necessarie delle giunzioni di vari tipi, indicate nei manuali MECCANO come "costruzioni di base MECCANO" ciascuna con una sigla di riferimento.

Sarebbe utile fare una certa pratica con queste giunzioni perché se imparate a realizzarle con cura, vi sarà più facile poi costruire i vostri modelli Multikit MECCANO.

Il "Basic Construction" No. BC3, indicato nel libro dei modelli "Highway", non è necessario per costruire i modelli di questo libro. Esso è stato incluso perché, con ogni probabilità, sarà necessario quando inizierete a costruire modelli di vostra personale progettazione.

Vennligst les dette nøye for du begynner å bygge.

I dette "Super Highway" heftet over modeller, vil du finne anvisninger hvordan du kan bygge åtte Meccanomodeller. Heftet inneholder meget klare fargebilder som viser hvert skritt ved byggingen av hver modell. Dette "Super Highway" heftet over modeller er bare en del av et sett som består av 2 hefter. I "Highway"-heftet over modeller finner du komplette anvisninger på bygging av ytterligere åtte modeller, og dette heftet inneholder også - på de første sidene - opplysninger om grunnsettene som brukes for å bygge alle modellene i begge heftene.

Husk at de modellene som står oppgitt er bare forslag. Med øvelse vil du finne at du kan konstruere og bygge dine egne modeller, og hvis du trenger ekstradelar kan du kjøpe eller bestille Meccanodeler fra din Meccano-forretning.

Så sett i gang og ha det moro!

Hvordan man bruker Meccano.

Etter litt øvelse, vil man finne at Meccano er meget lett å bruke. Eneste verktøy du trenger, er en skrutrekker og to fast-nøkler.

Kanskje har du brukt din far's verktøy før, men hvis ikke, er dette hvordan de skal brukes.

Skrutrekkeren brukes til å skru en skrue gjennom Meccano-delen. Man setter bladet på skrutrekkeren inn i spalten på toppen av skruen og vrir med urviseren. Skal man skru opp en skrue, vrir du skruen den andre veien.

Mutteren passer i den andre enden av skruen, og gjør at skruen sitter fast. Begynn å skru mutteren i enden av skruen med fingrene. Bruk tilslutt fastnøklen til å "trekke til" mutteren.

Det er to fast-nøkler i Multikit, slik at du kan lage en "stopp mutter". For å gjøre dette, setter du på to mutre i enden på skruen, og trekker den til mot hverandre. En stopp-skrue trenger du f. eks. når du ønsker at en del skal bevege seg fritt mellom mutteren og skruen.

Når du skal bøye fleksible plater er det lurt å forme dem om en rund blyant eller liknende. Hold blyanten mot undersiden av den fleksible platen, mellom rekken av huller. Sett så fingrene på oversiden av platen og bøy den rundt blyanten, omtrent som når du bretter et stykke papir.

Når du bygger Meccano modeller, vil du av og til behøve visse sammenskruinger. Disse kalles *Grunnkonstruksjoner*, og hver eneste en har et nummer.

Det er lurt å øve på disse sammenskruingene, for når du vet hvordan du lager dem, vil du bygge dine Multikitmodeller uten noen vanskeligheter.

Grunnsett BC3, som nevnes i "Highway" heftet over modeller, trengs ikke for å lage modellene i dette heftet. Det er inkludert fordi du kommer sannsynligvis til å trenge det når du begynner å lage modeller som du har konstruert selv.

Prima di cominciare le costruzioni leggere attentamente quanto segue.

In dit "Super Autobaan" modellen boek vind U alle instructies om 8 Meccano Modellen te bouwen. Er zijn goede kleuren foto's welke precies aangeven hoe elk onderdeel van het model gebouwd dient te worden.

Dit "Super Autobaan" modellen boek is één gedeelte van 2 boeken uit de serie.

U vind hele plannen om 8 andere modellen te bouwen in het boek "Autobaan" welke bijzonderheden bevatten op de eerste bladzijden van dit modellen boek, welke de basis constructies vormen in het gebruik en assemblage van alle modellen in beide boeken.

Wél onthouden dat alle modellen in beide boeken alleen maar suggesties zijn en met veel praktijk kunt U zelf ontwerpen maken en deze zelf bouwen als U dan extra onderdelen nodig heeft zijn deze verkrijgbaar in de Meccano winkels wij zeggen veel plezier en ga U gang.

Hoe Meccano wordt gebruikt.

Bouwen met Meccano is niet moeilijk. Als gereedschap gebruik je een schroevendraaier en twee moersleutels.

Misschien heb je je vaders gereedschap wel eens gebruikt; zo niet, dan zie je hier, hoe ze werken.

Gebruik de schroevendraaier om een boutje in een Meccano onderdeel te schroeven. Doe het blad van de schroevendraaier in de gleuf aan de kop van het boutje en draai de schroevendraaier rechtsom. Losschroeven gebeurt in omgekeerde richting.

Moeren om het andere einde van de boutjes zorgen voor een hechte verbinding. Draai de moer met je vingers op de schroefdraad van het boutje. Zet de moer vast met de moersleutel. Zet de schroevendraaier in de gleuf van het boutje om te voorkomen, dat moer en boutje samen draaien als je de moer vastschroeft.

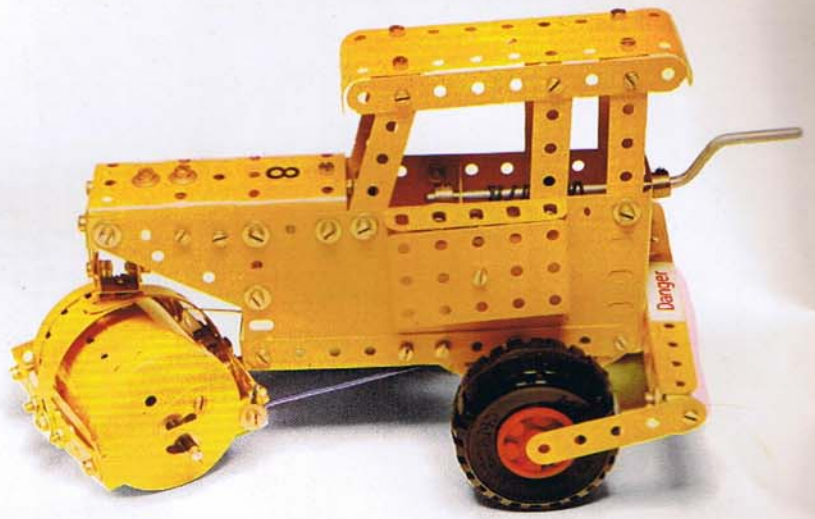
Er zijn twee moersleutels in de Multikit, zodat je een borg - of contramoer kunt maken. Schroef twee moeren op het einde van een boutje en draai ze tegen elkaar aan. Zo'n borgmoer is nodig bij een stuk dat zich tussen moer en boutje kan bewegen.

Buigzame platen kunt u het beste in de juiste vorm brengen rond een penseel of iets dergelijks. Het penseel houdt men tegen de ondervoorant van het buigzame plaat je tussen de rij haatjes. Plaats uw vinger boven op het plaatje en buig dit om het penseel.

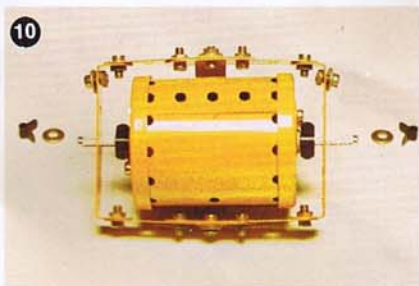
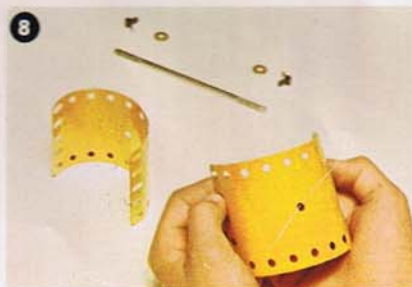
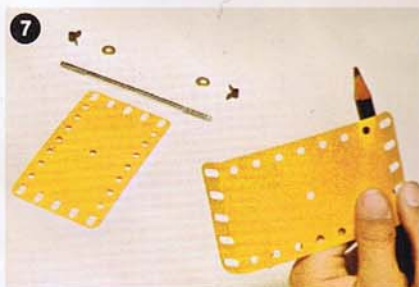
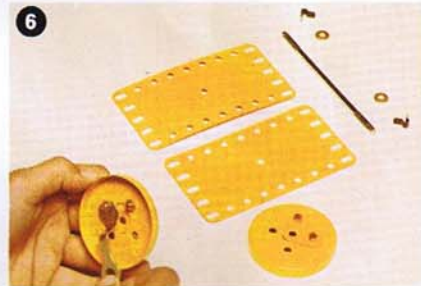
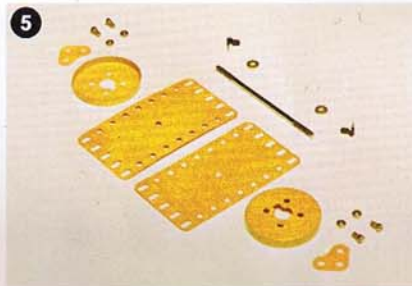
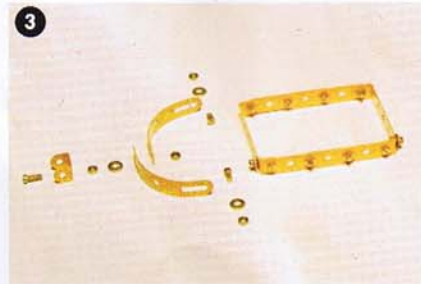
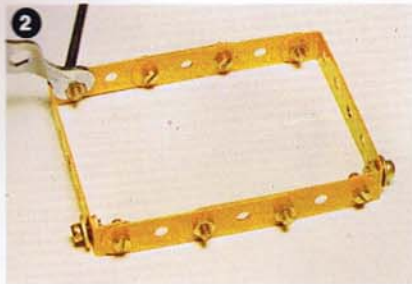
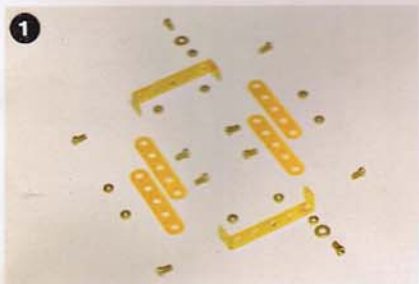
Het is alsof u een stuk papier moet vouwen. Als je Meccano modellen bouwt zal je nu en dan zekere verbindingen nodig hebben. Die worden *basisconstructies* genoemd en iedere heeft een nummer.

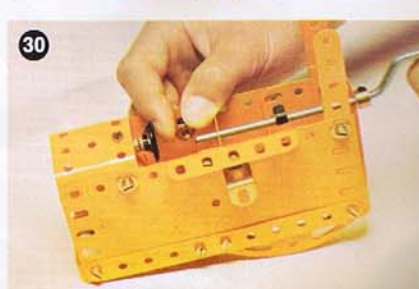
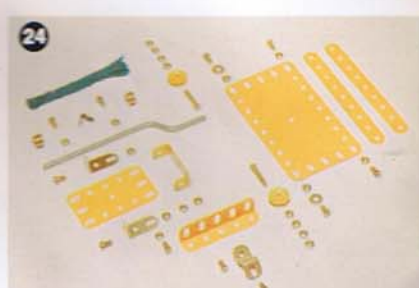
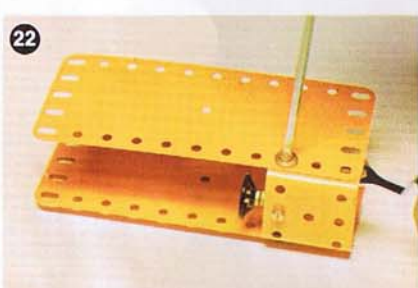
Het is een goed idee, deze verbindingen toe te passen, want als je weet hoe ze te maken, je de modellen van je Multikit zonder moeilijkheden bouwen.

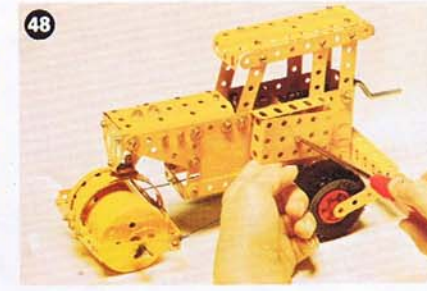
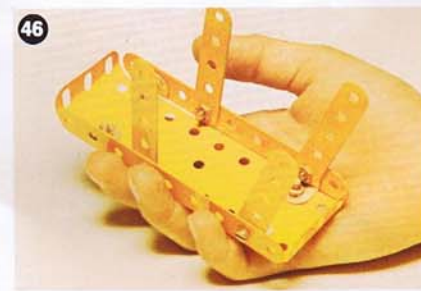
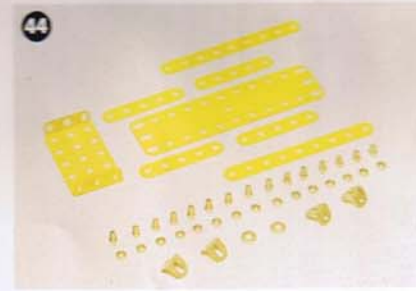
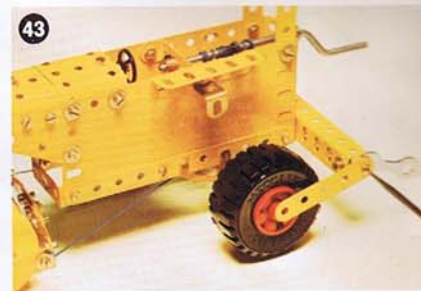
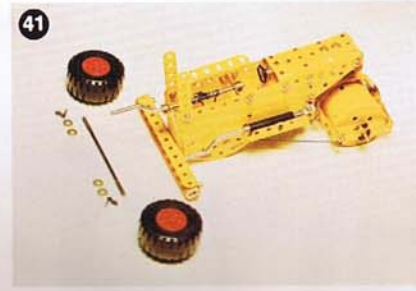
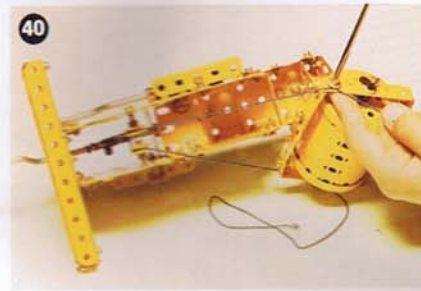
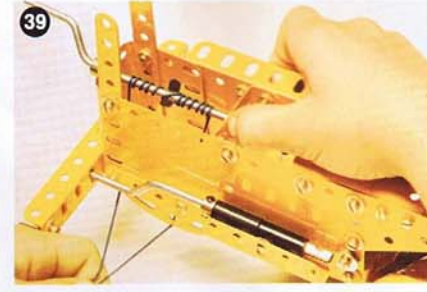
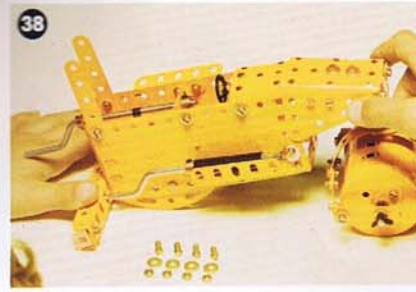
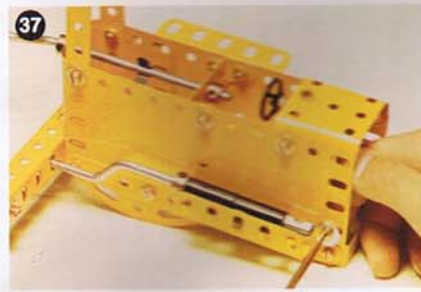
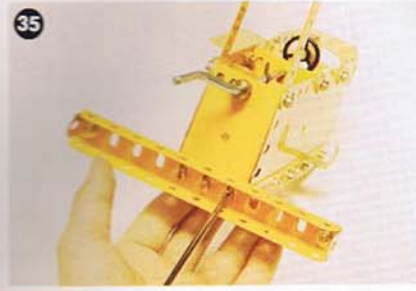
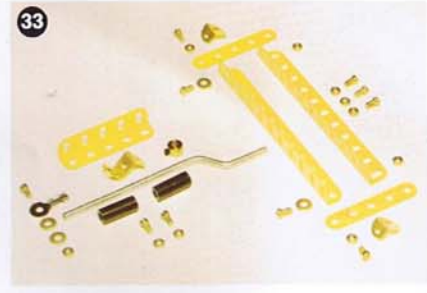
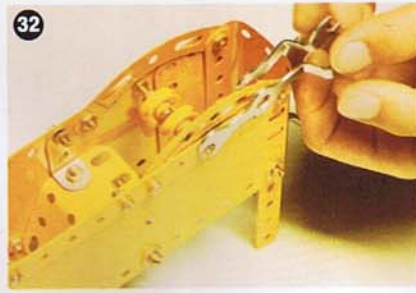
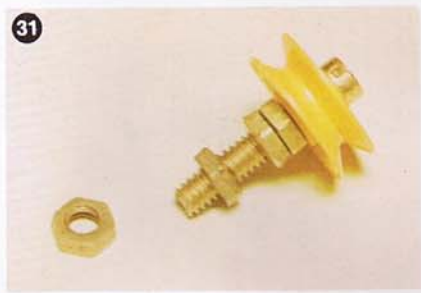
Basis constructies No. BC3 aangeduid in "Autobaan" modellen boek zijn niet nodig om de modellen uit dit boek te bouwen, doch deze zijn inbegrepen omdat men het nodig heeft als men begint met ontwerpen en bouwen van eigen modellen.

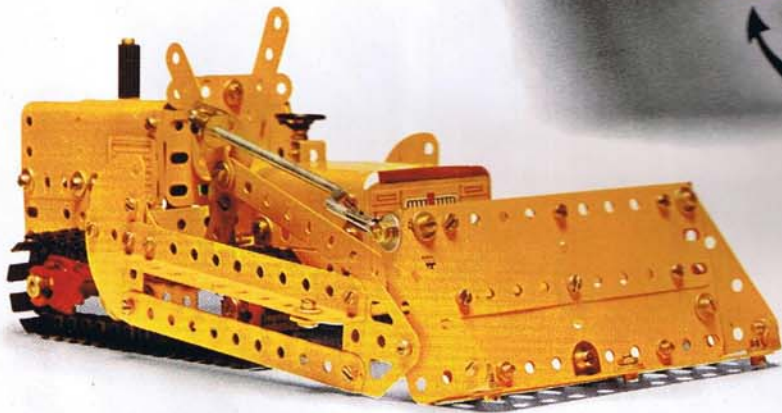
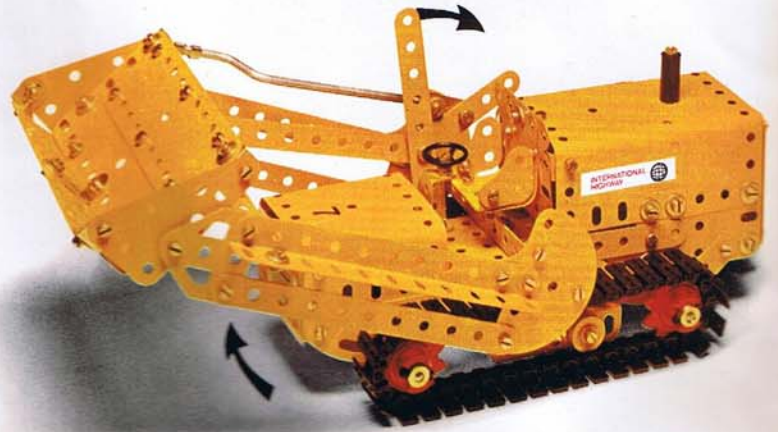
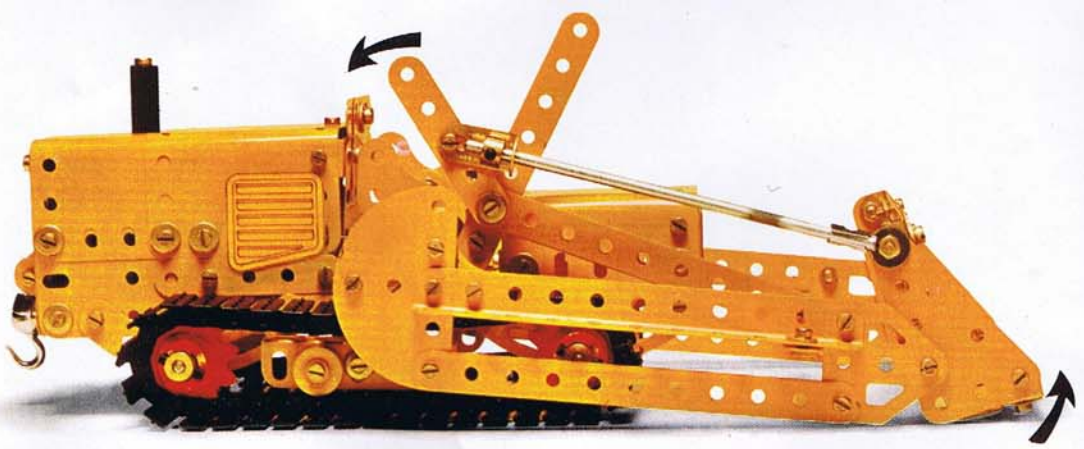


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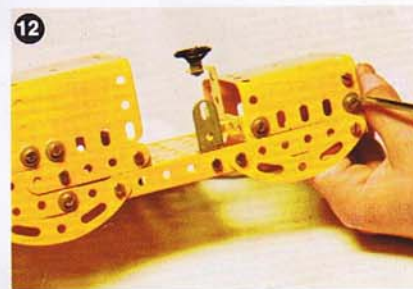
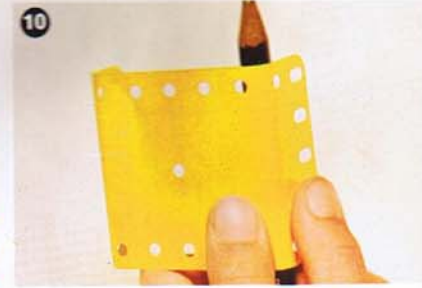
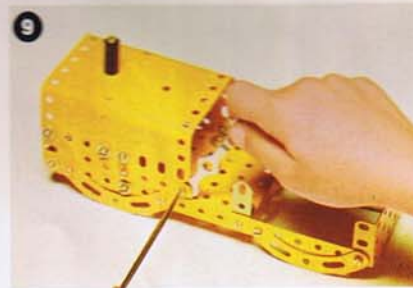
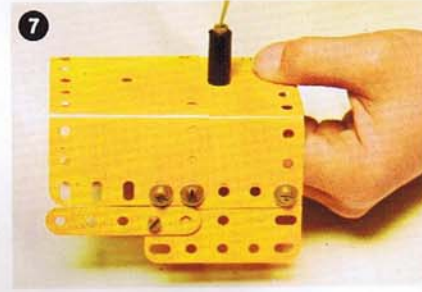
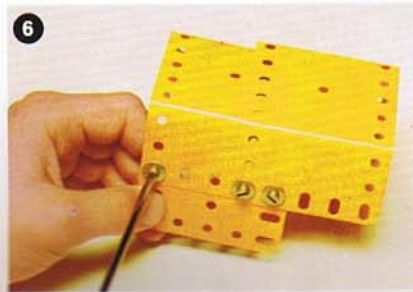
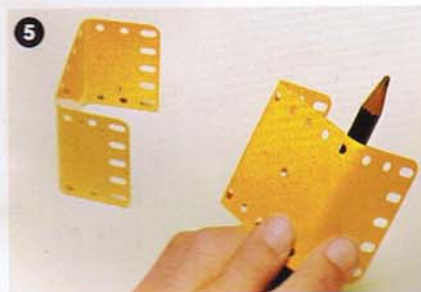
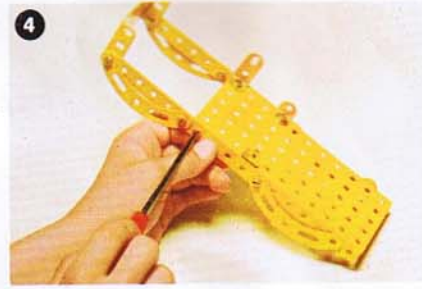
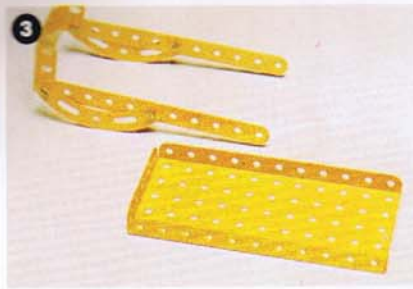
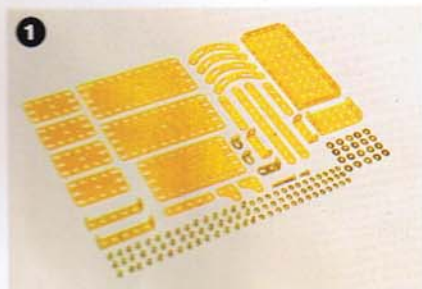
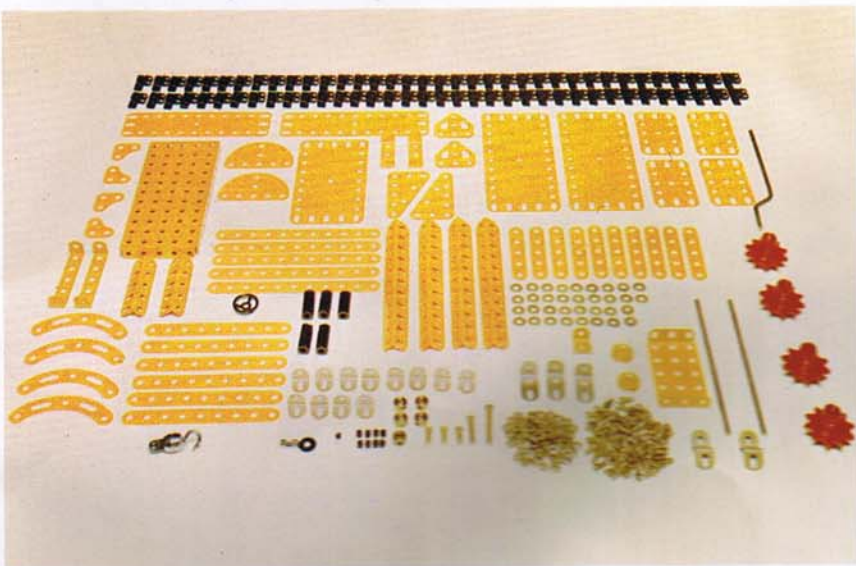


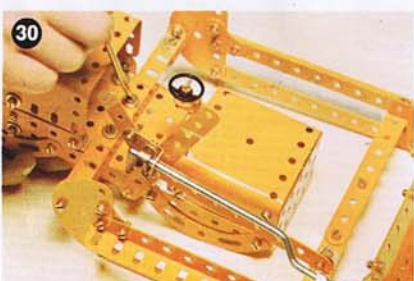
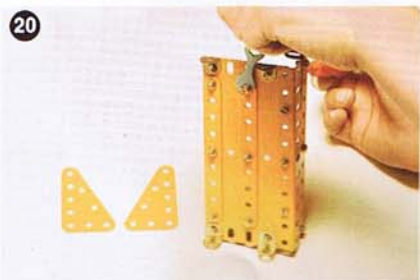
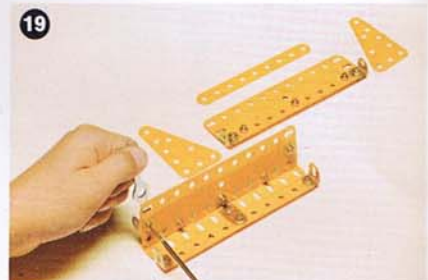
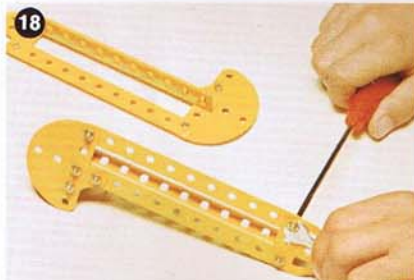
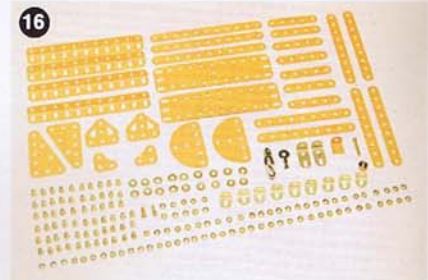
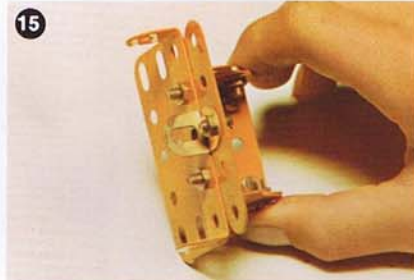
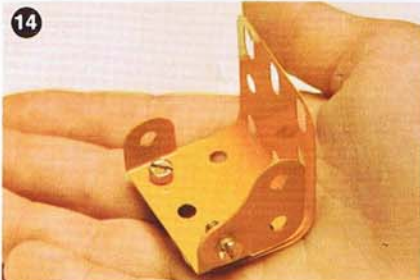


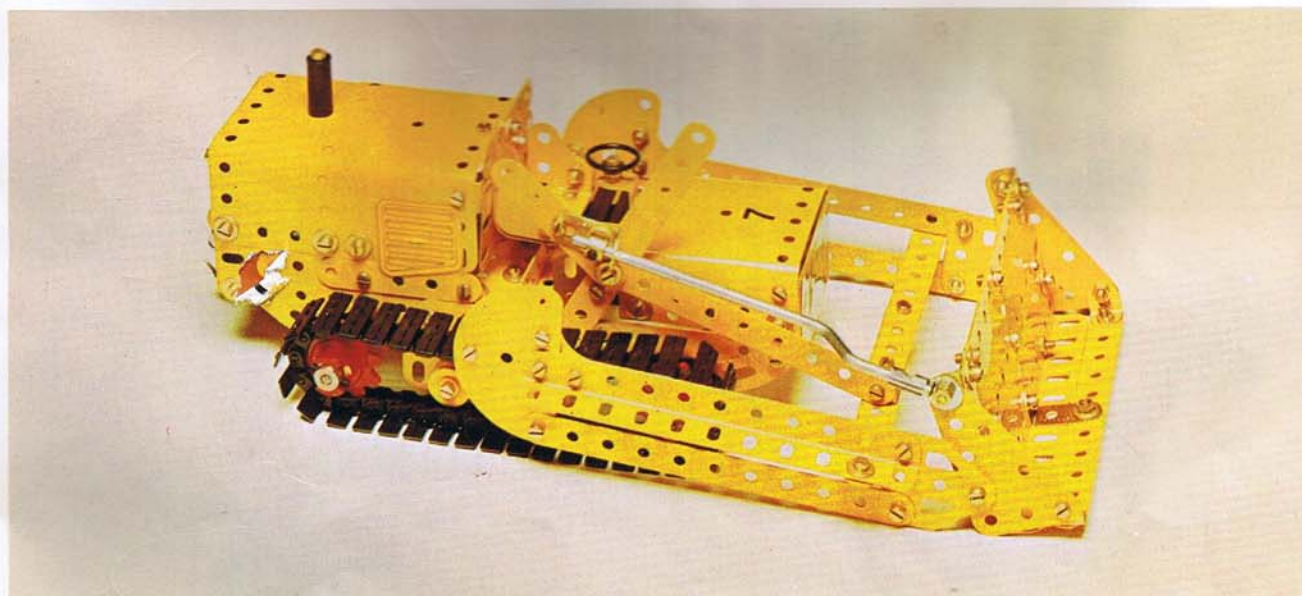
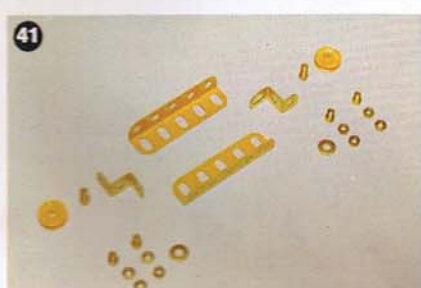
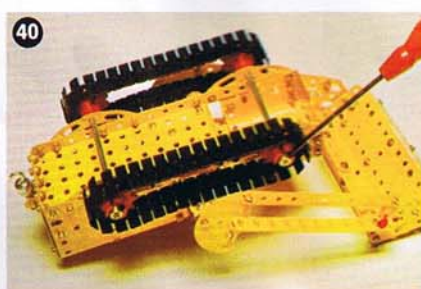
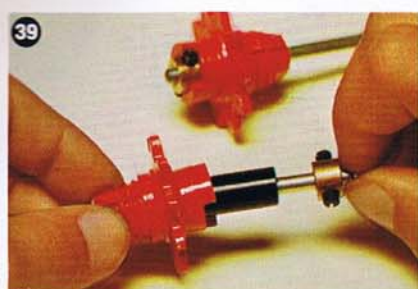
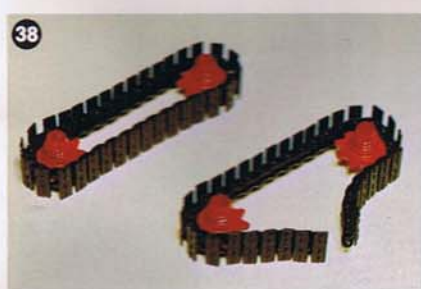
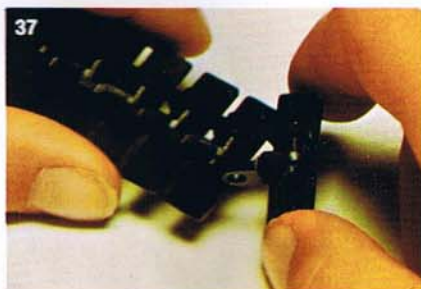
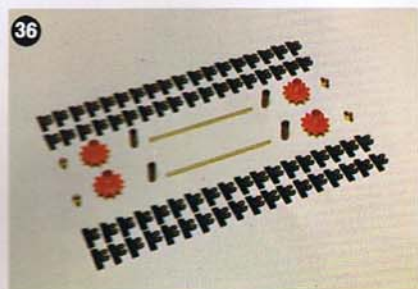
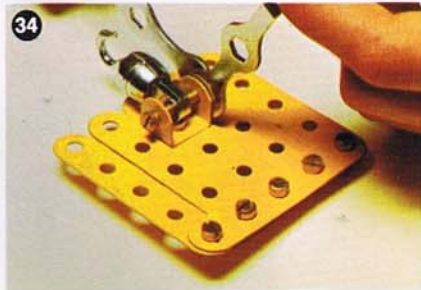
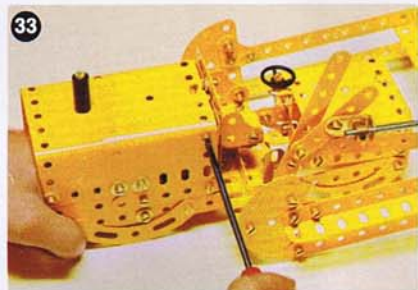
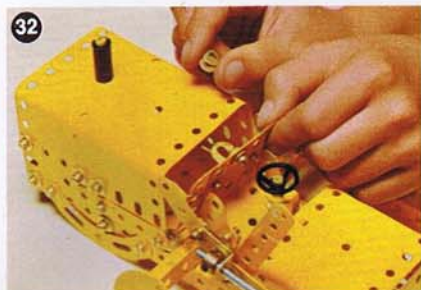


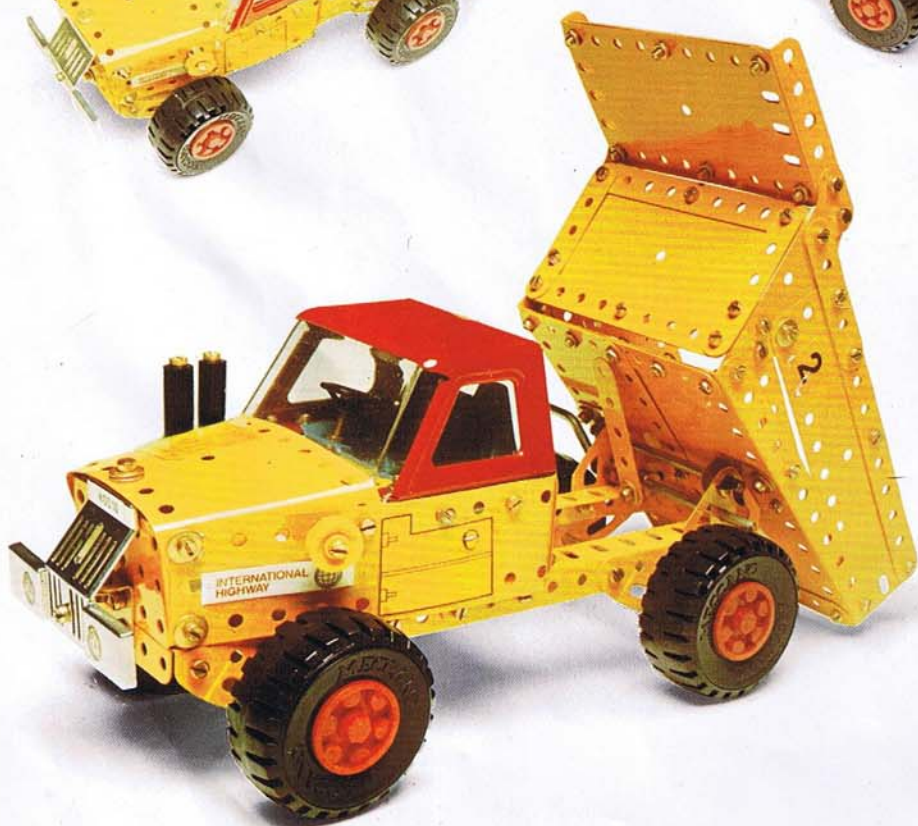


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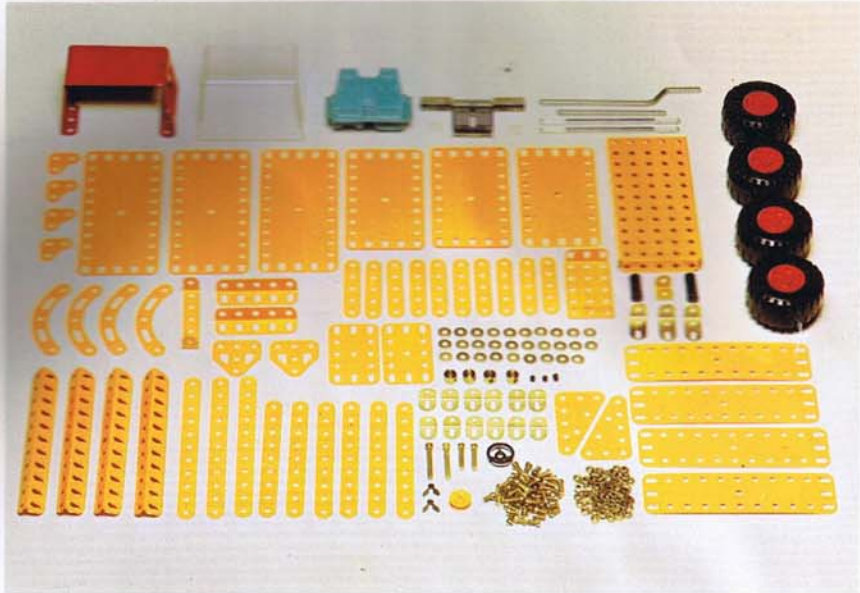
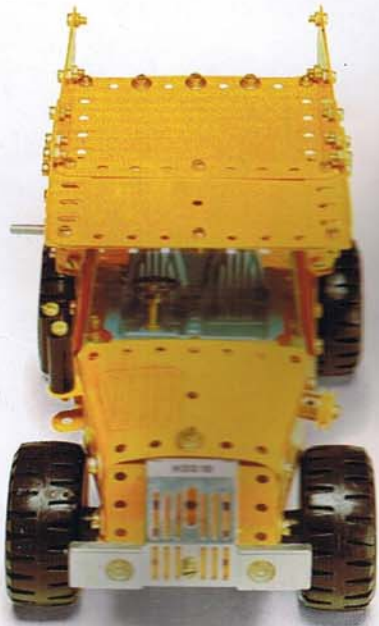
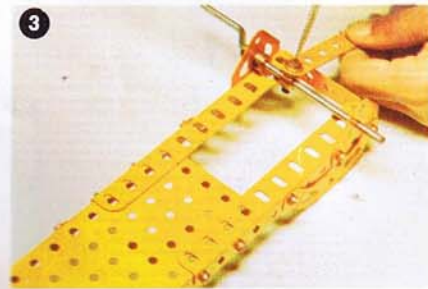
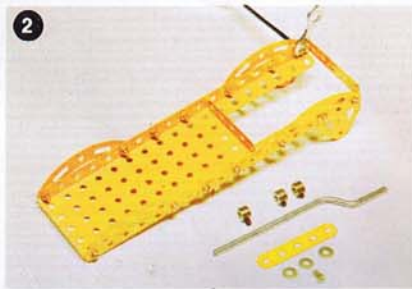


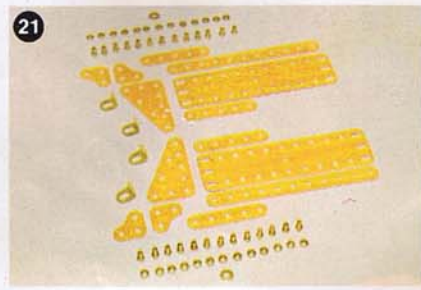
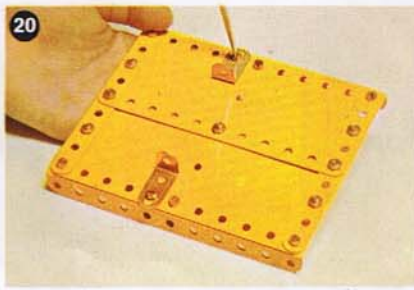
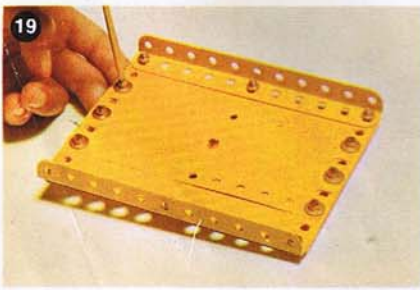
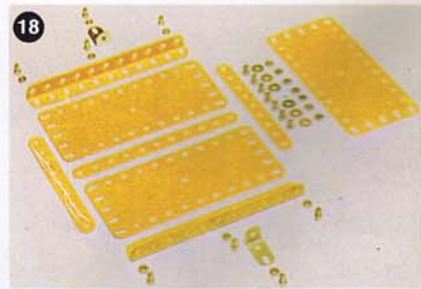
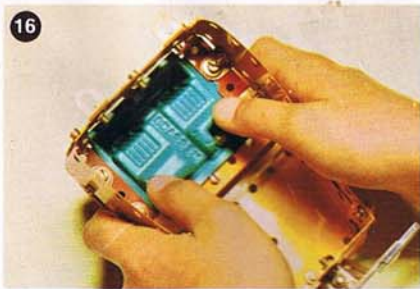
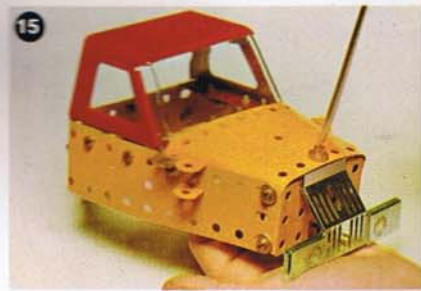
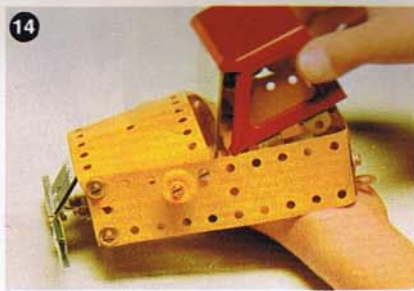
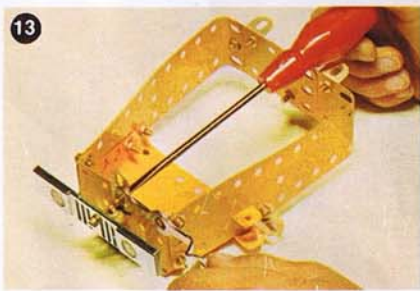
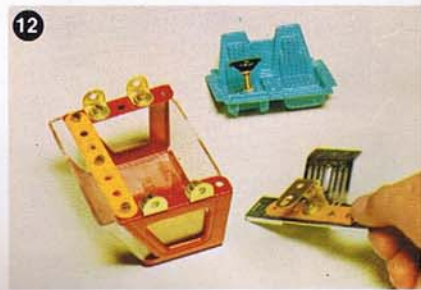
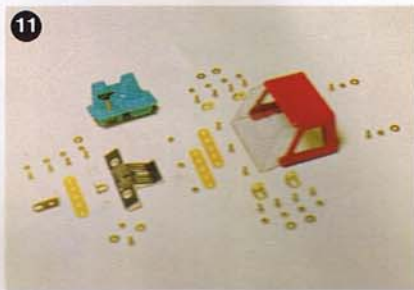
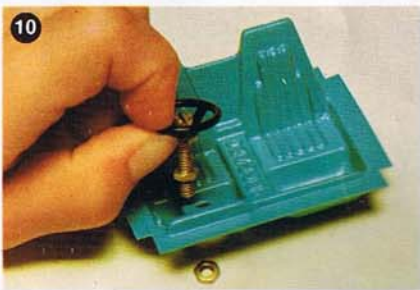
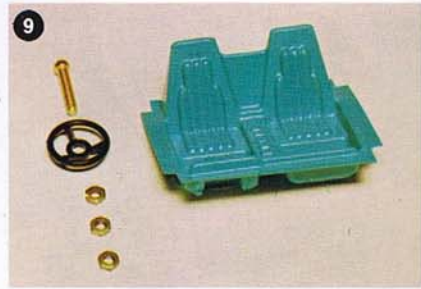
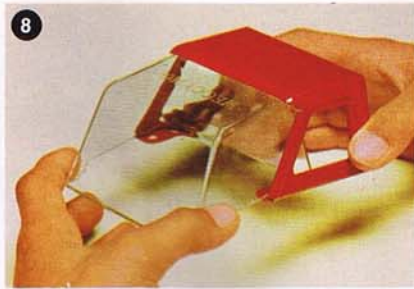
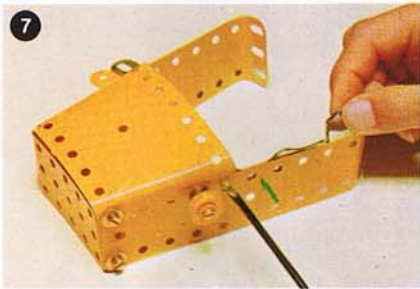
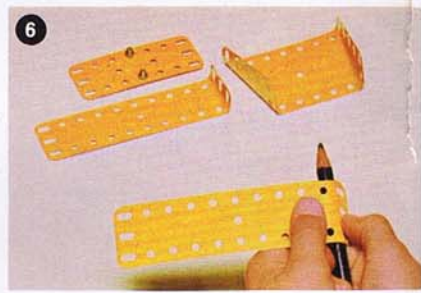
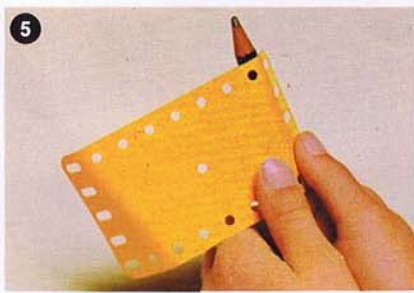
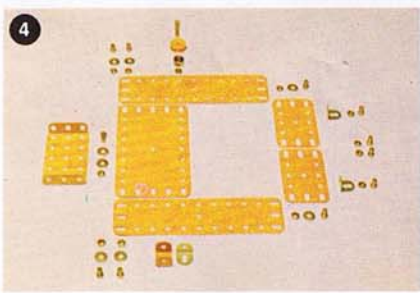


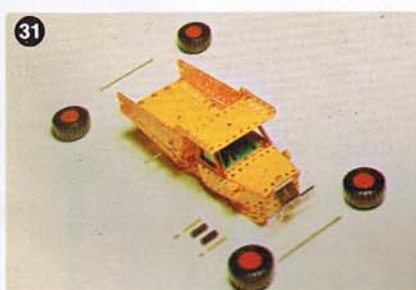
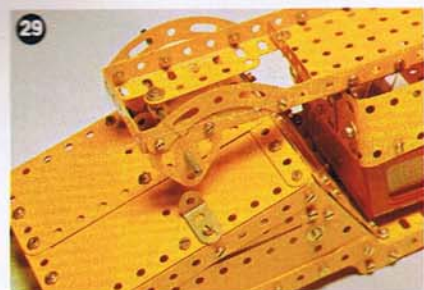
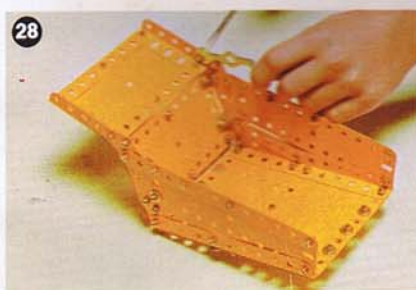
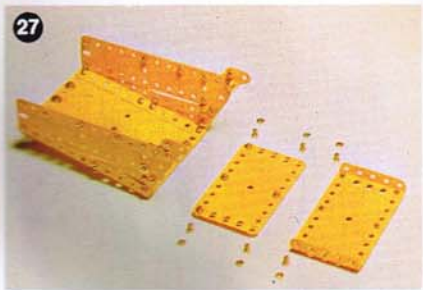
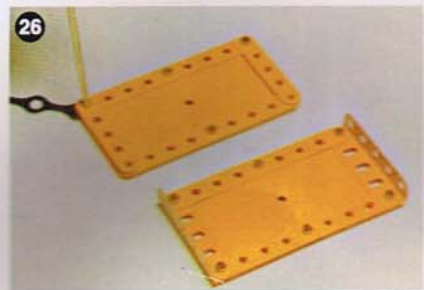
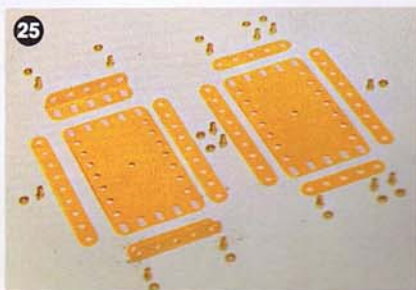
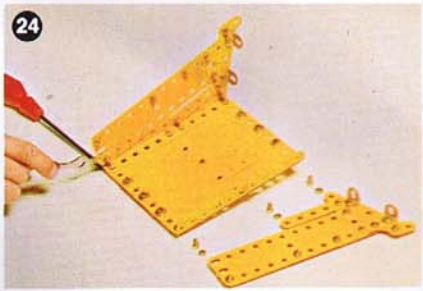
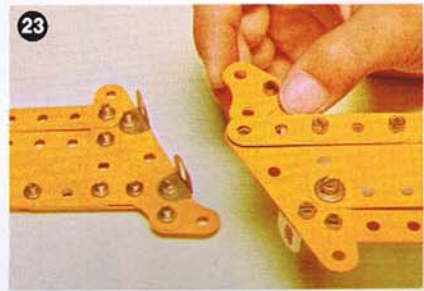
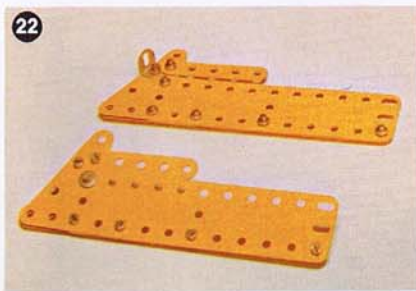


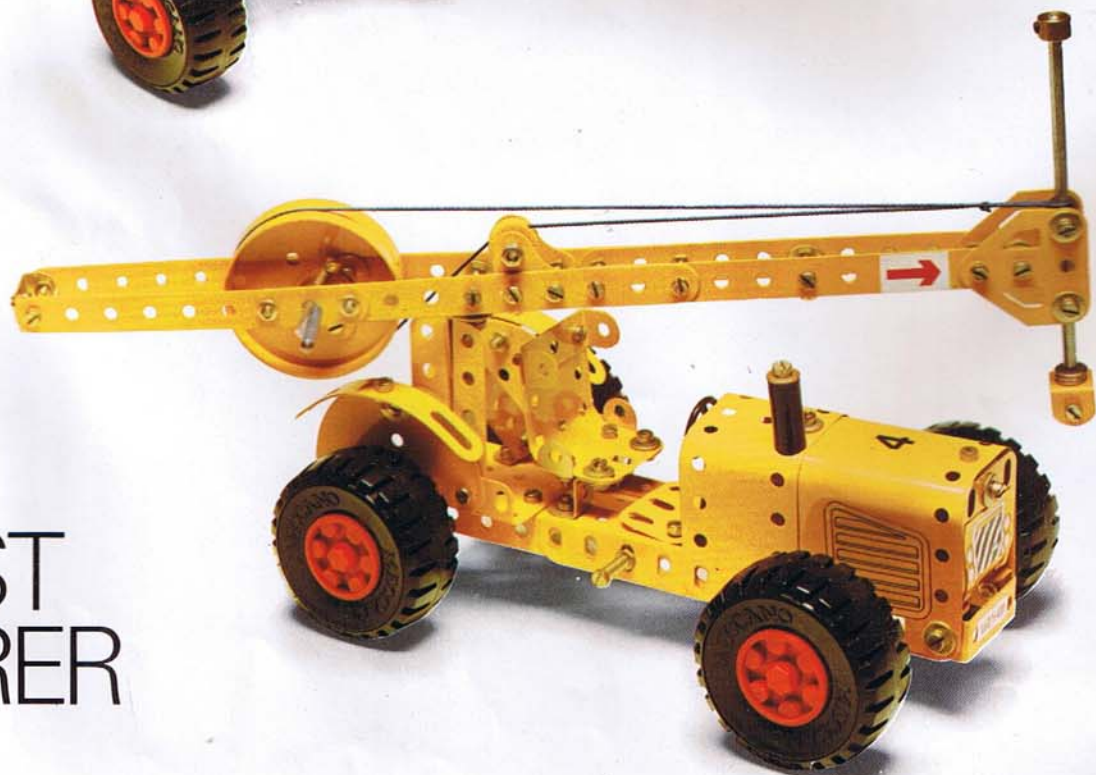
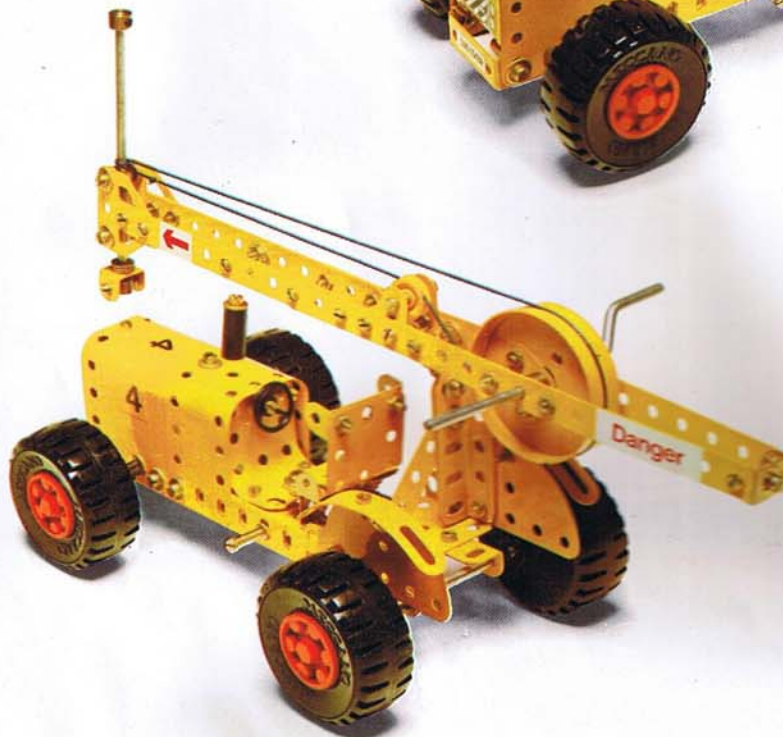
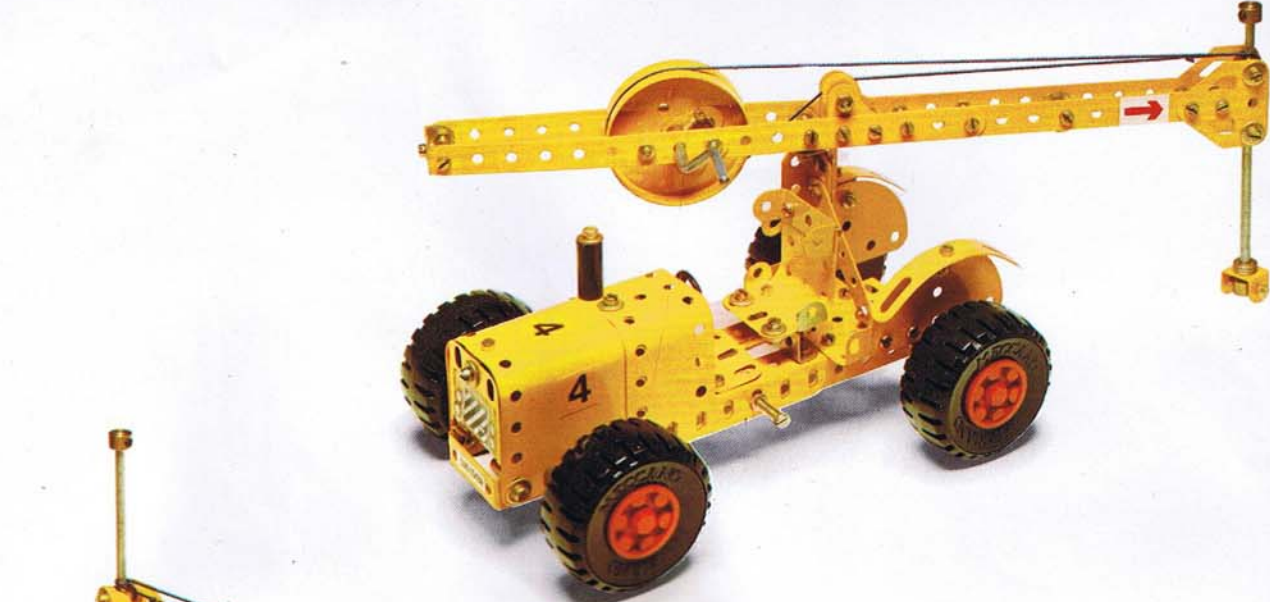


DUMP TRUCK





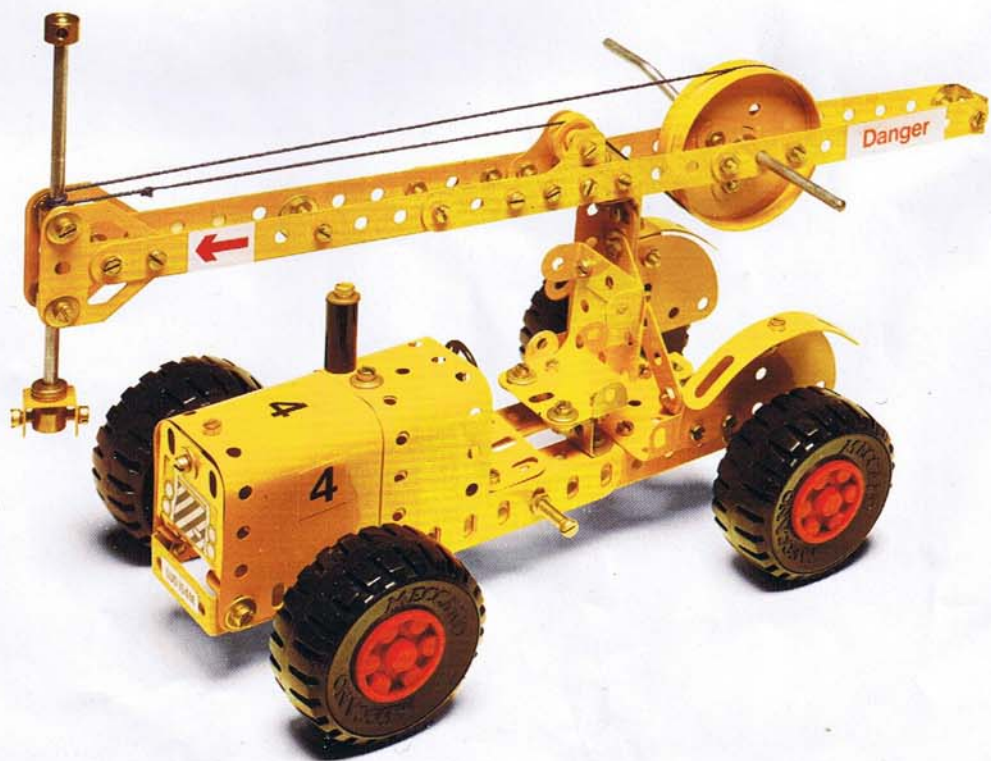


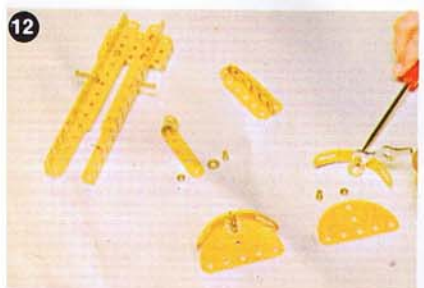
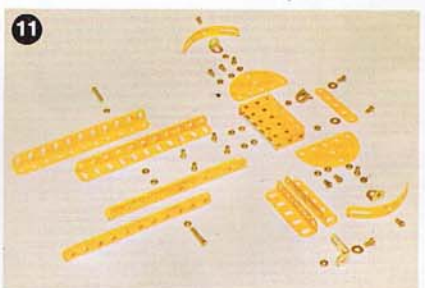
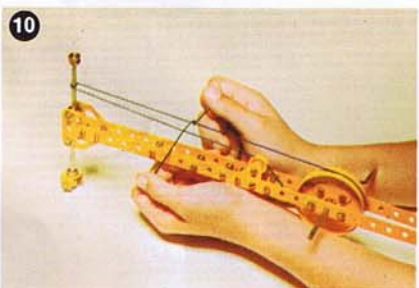
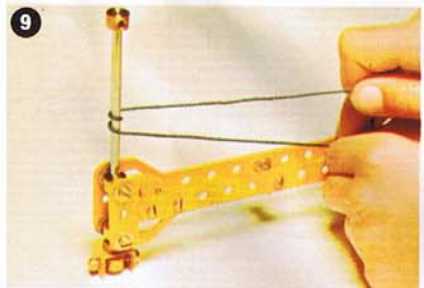
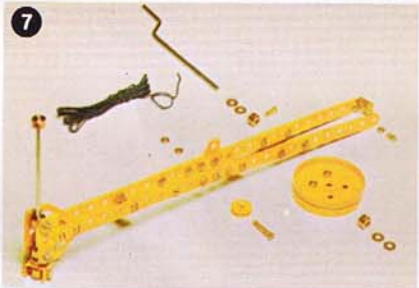
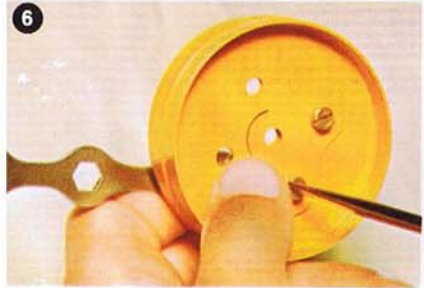
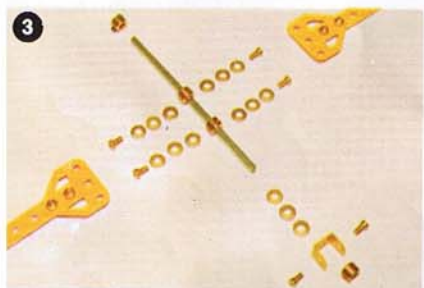
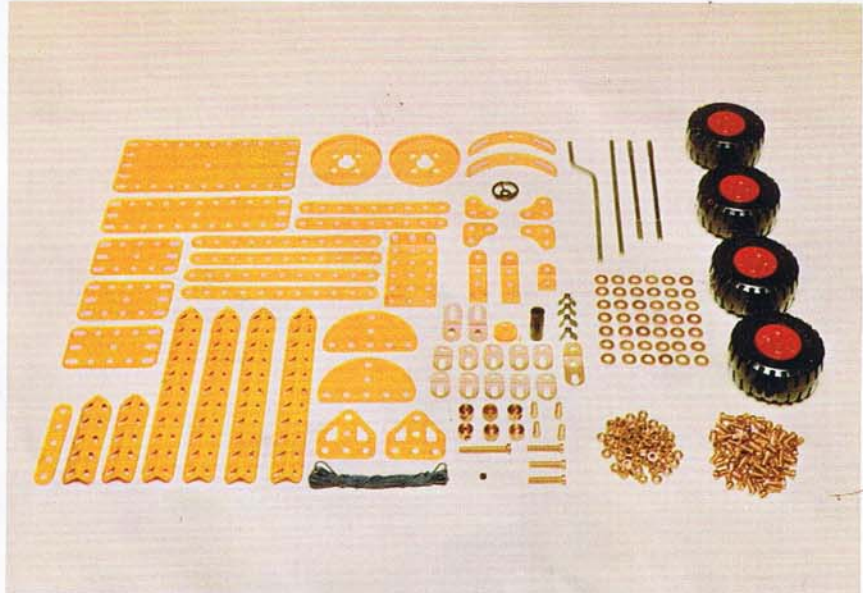
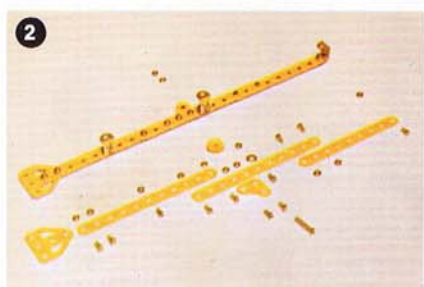
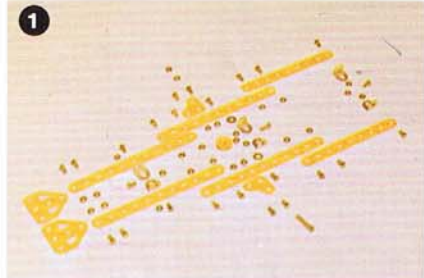


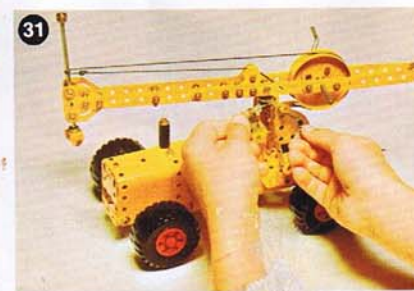
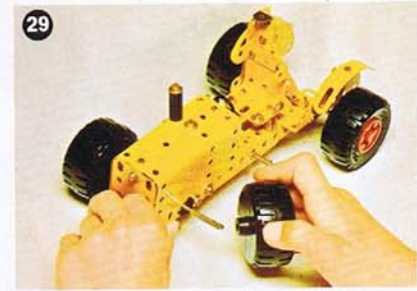
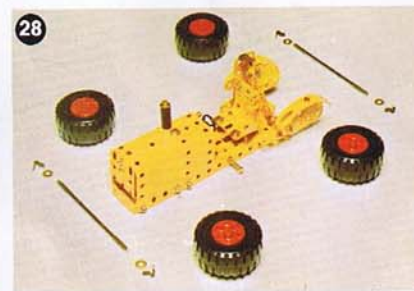
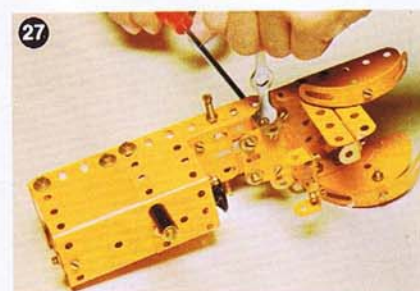
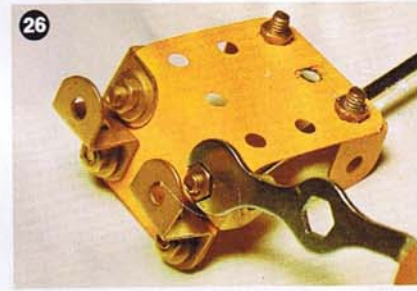
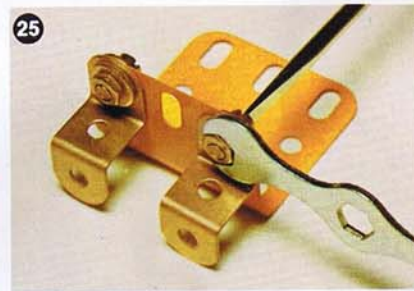
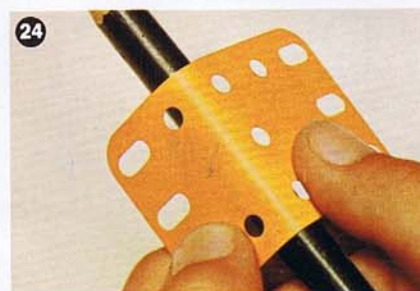
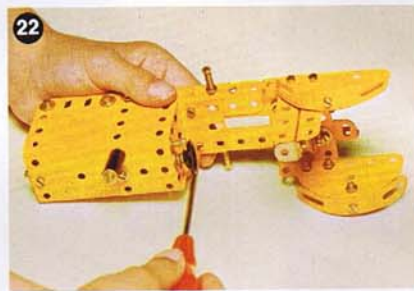
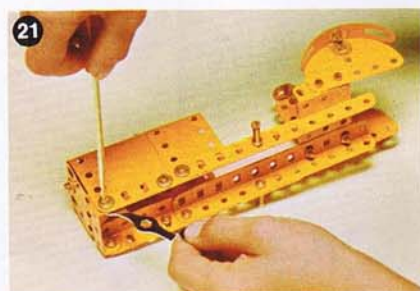
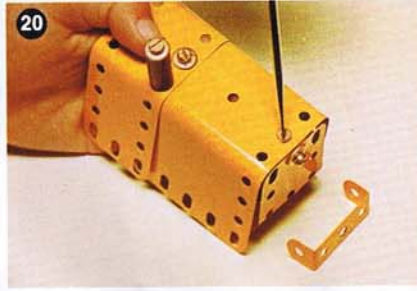
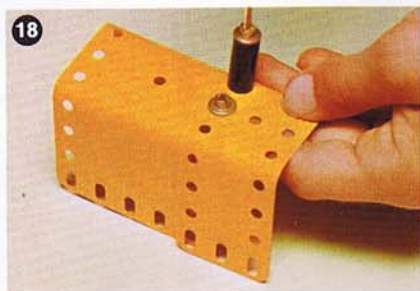
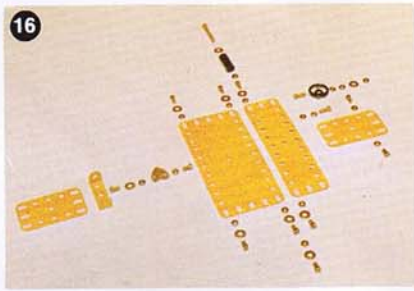
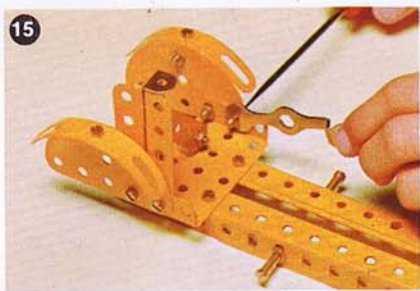
POST BORER



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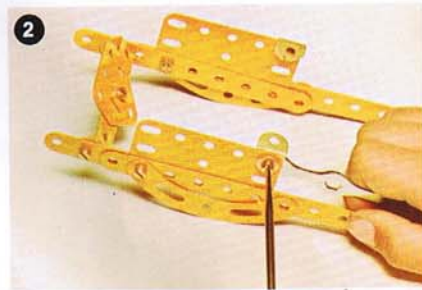


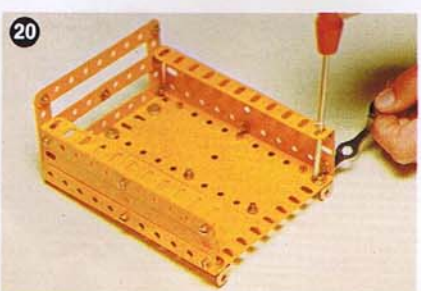
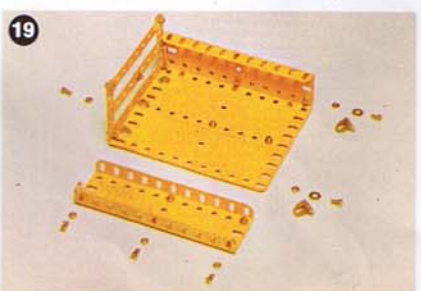
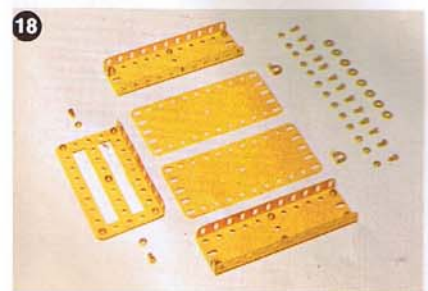
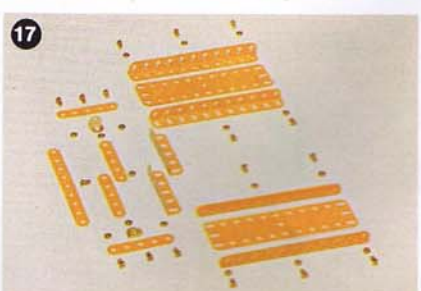
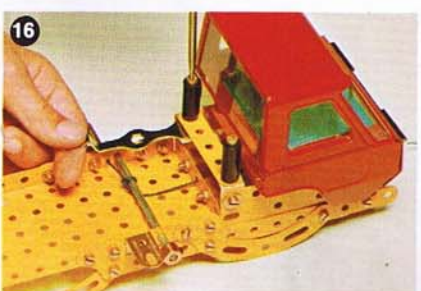
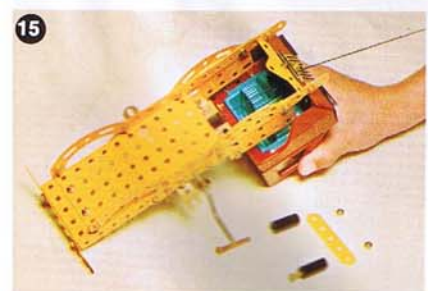
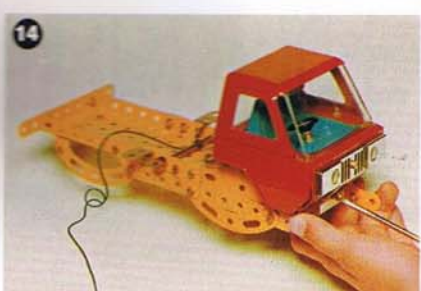
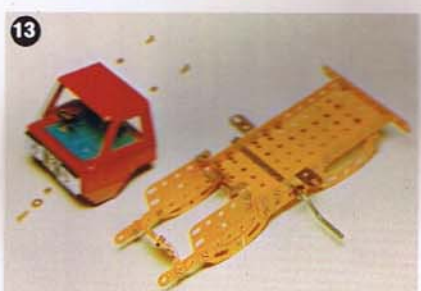
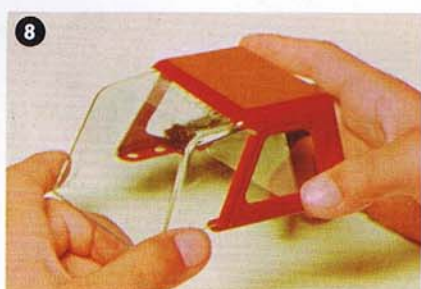
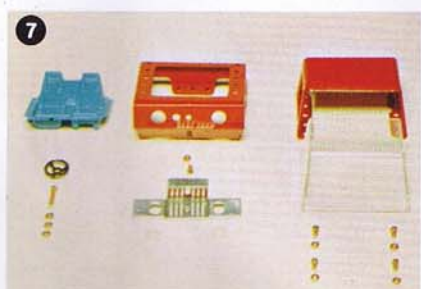
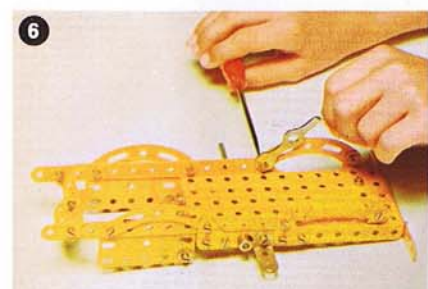
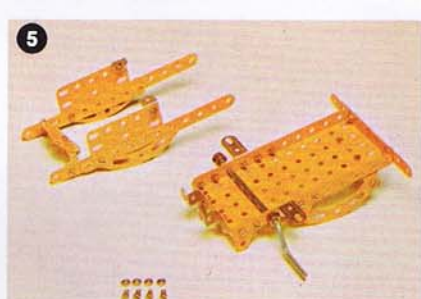
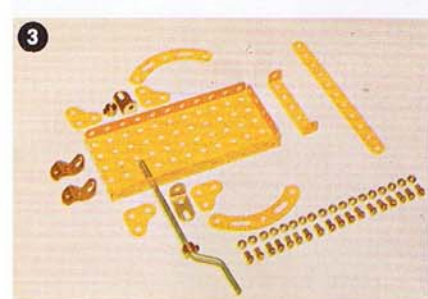


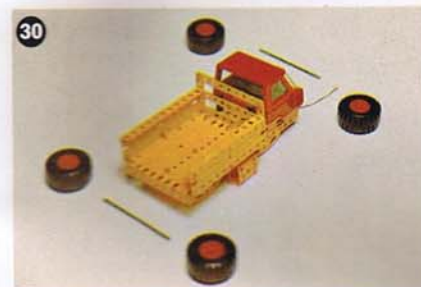
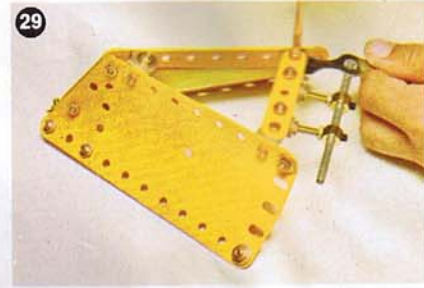
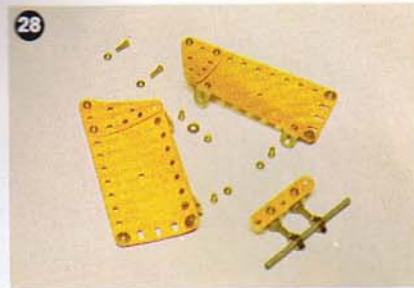
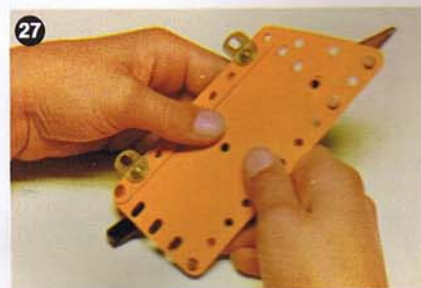
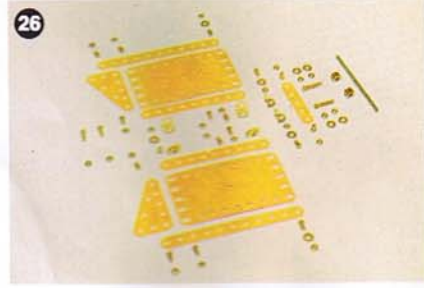
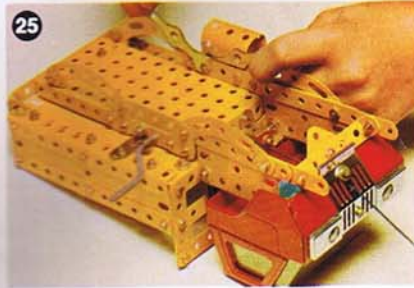
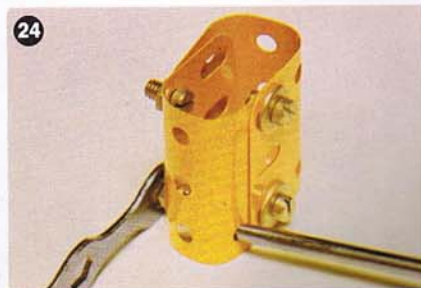
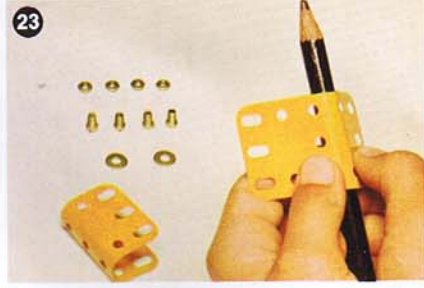
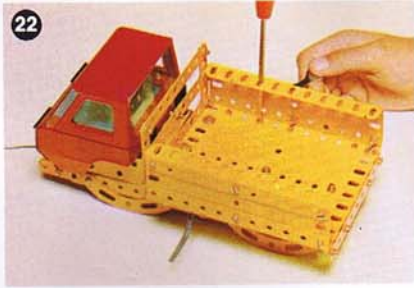
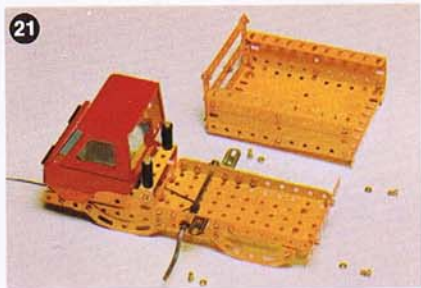


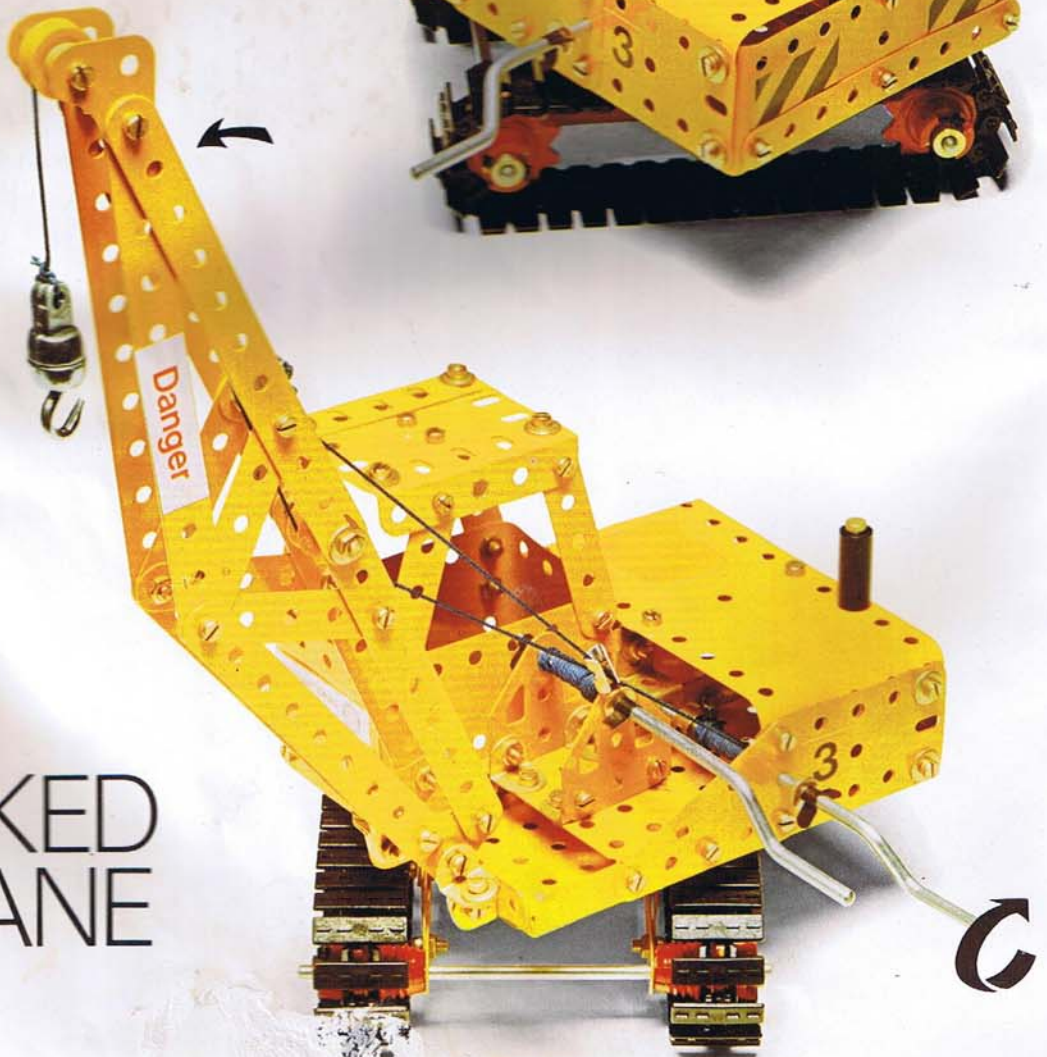
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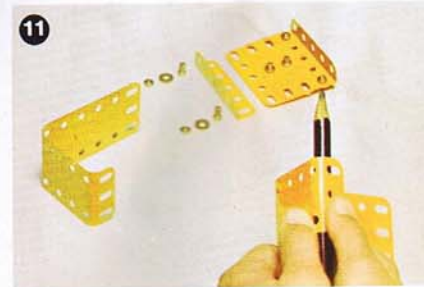
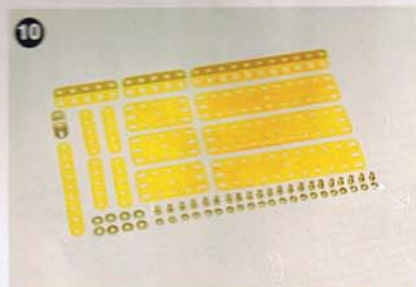
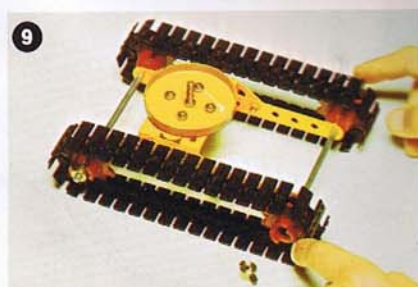
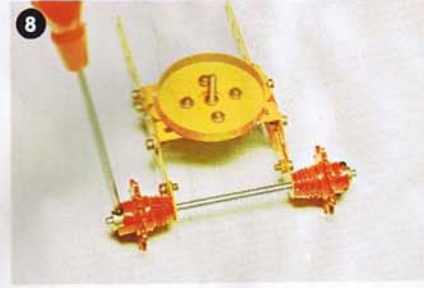
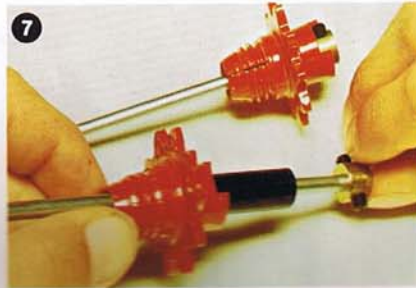
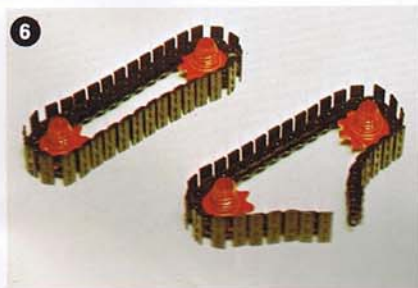
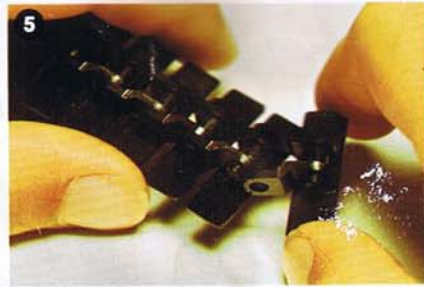
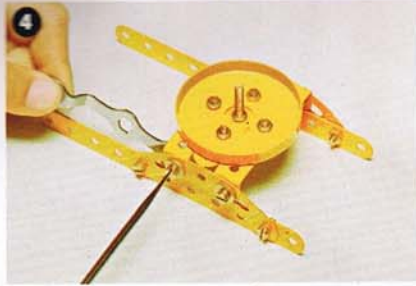
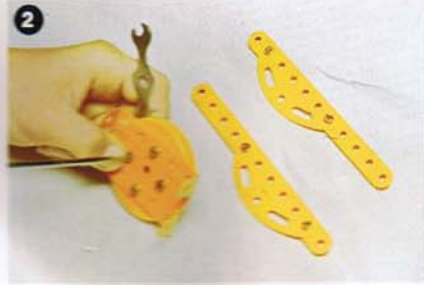
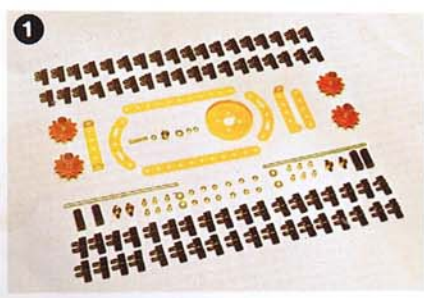


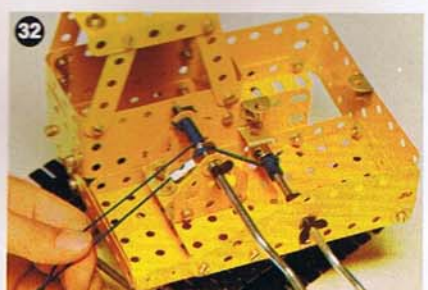
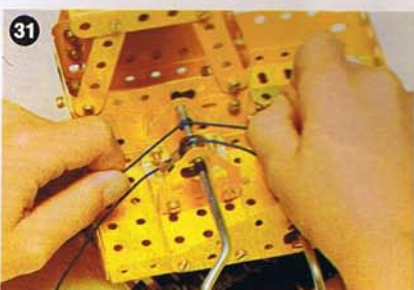
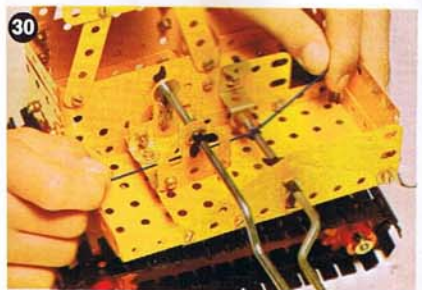
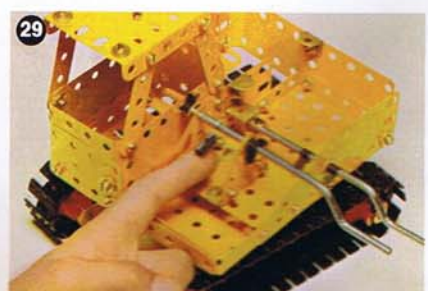
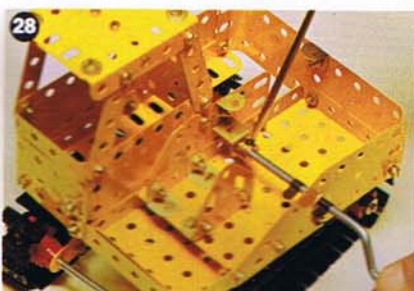
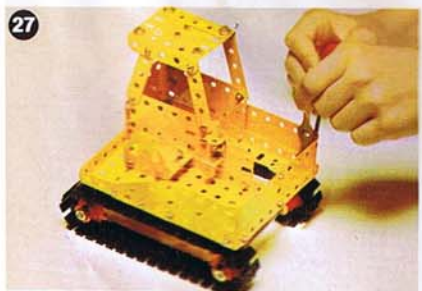
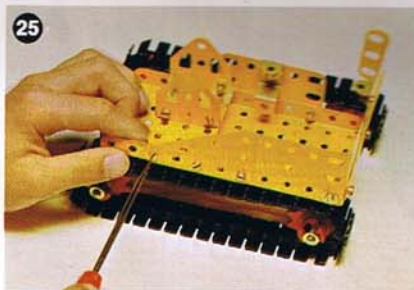
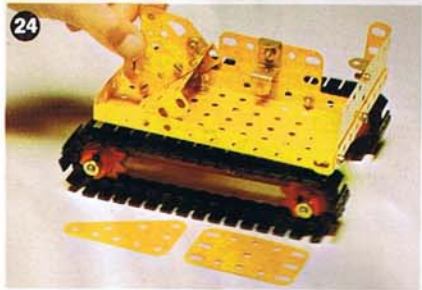
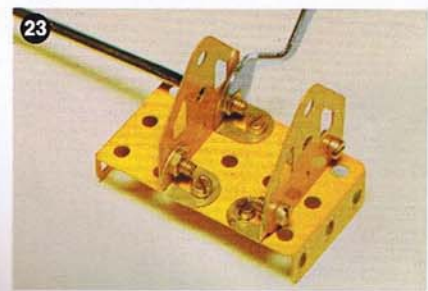
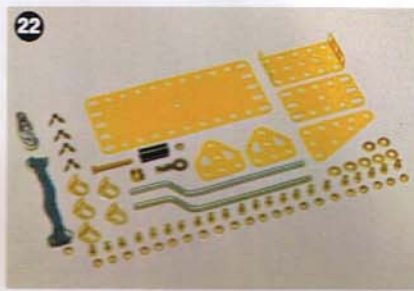
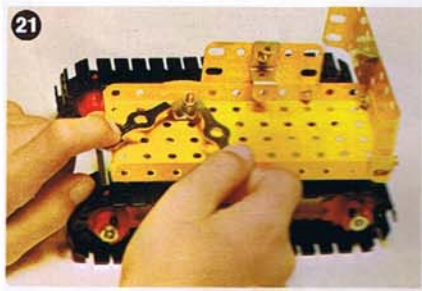
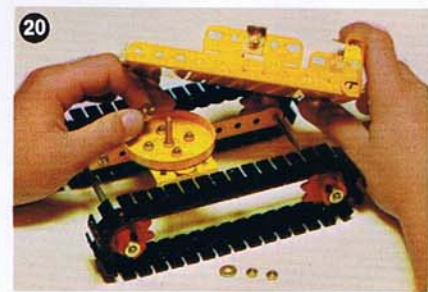
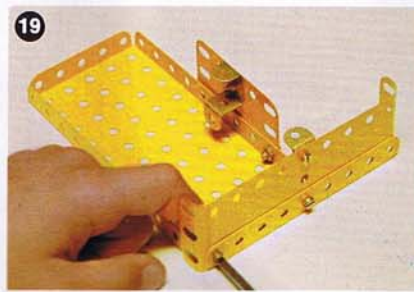
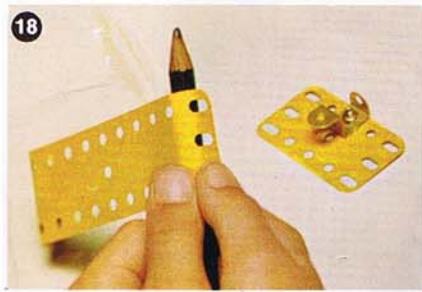
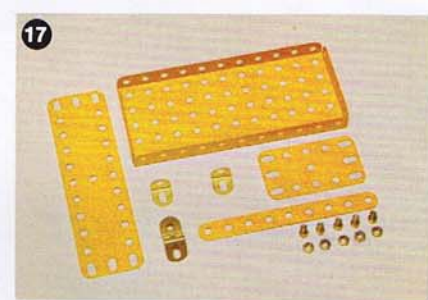
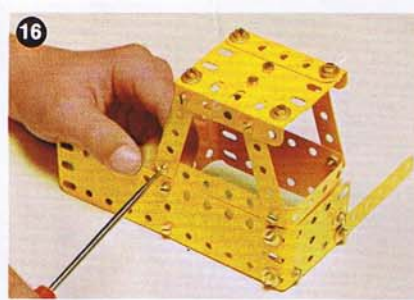
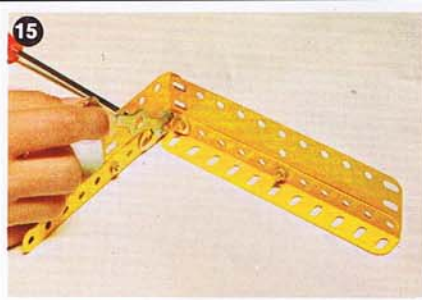


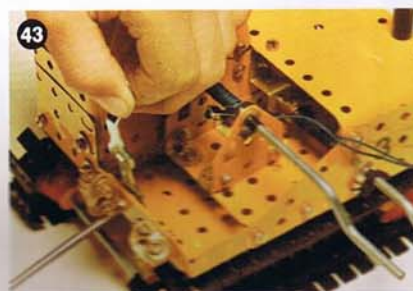
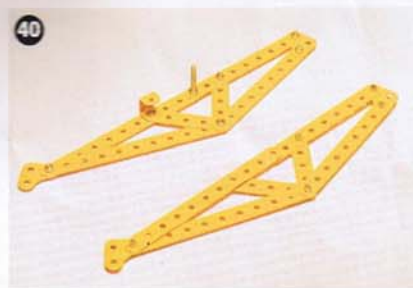
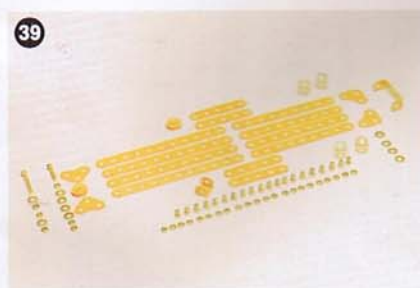
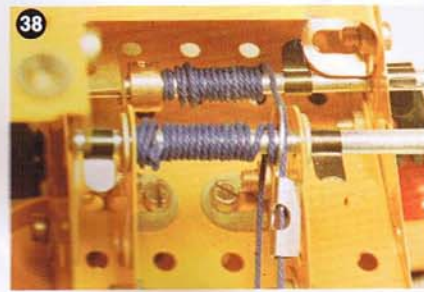
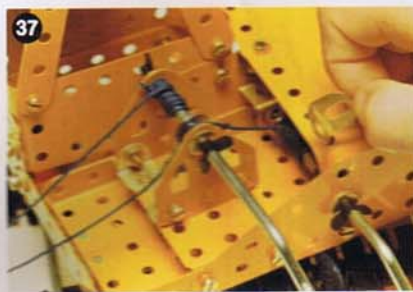
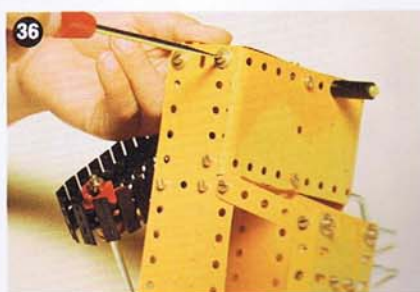
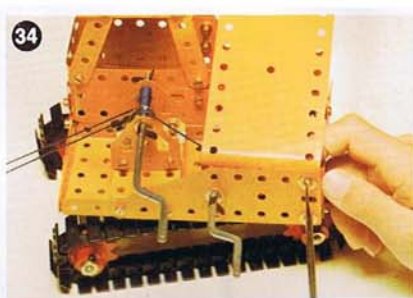
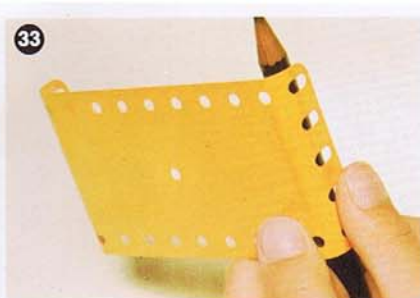


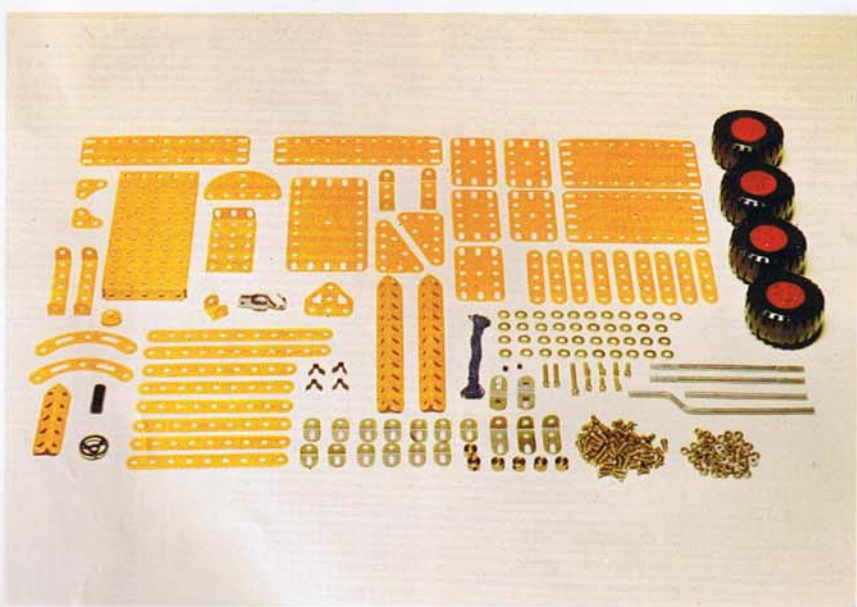
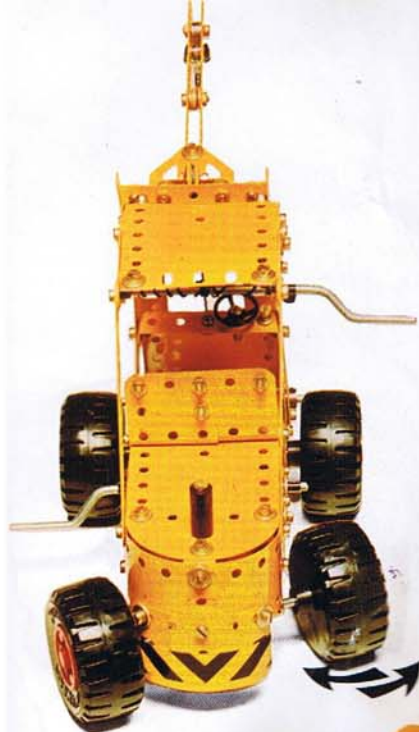
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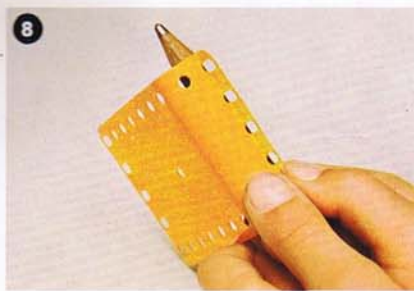
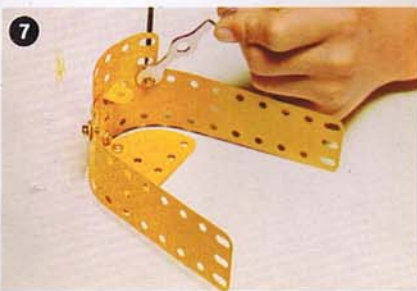
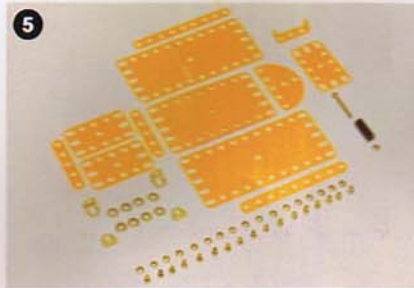
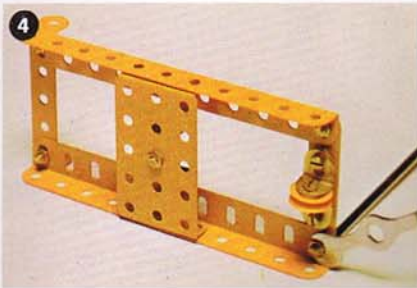
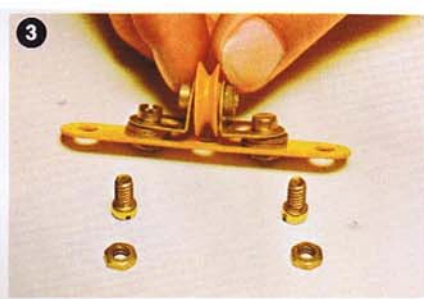
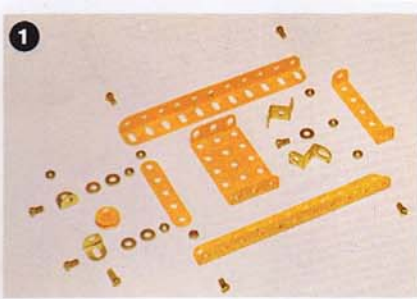


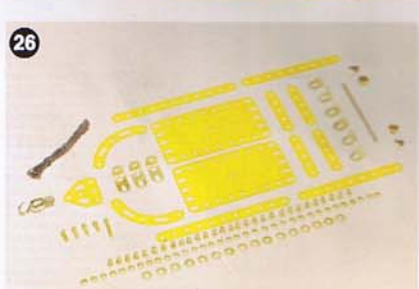
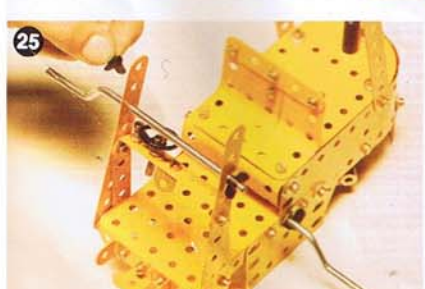
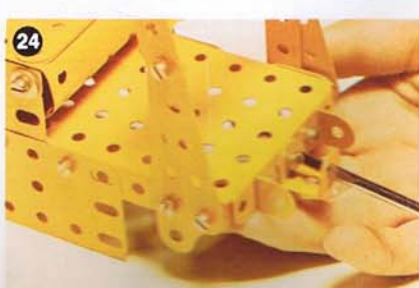
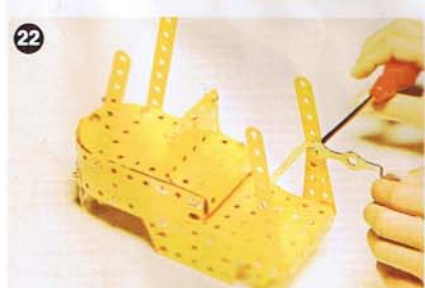
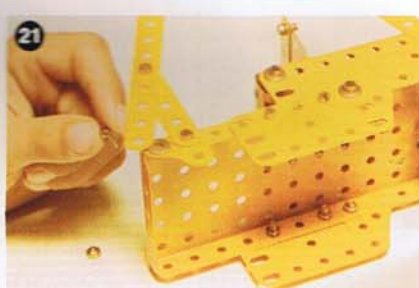
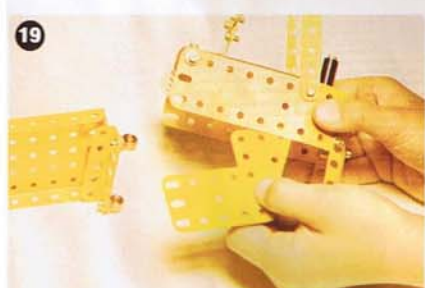
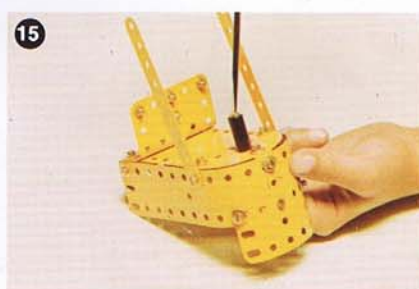
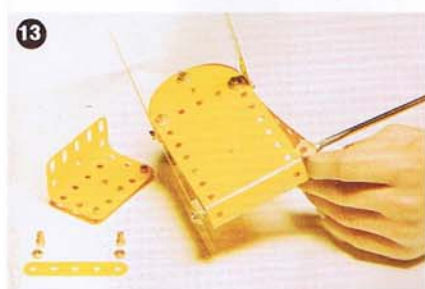
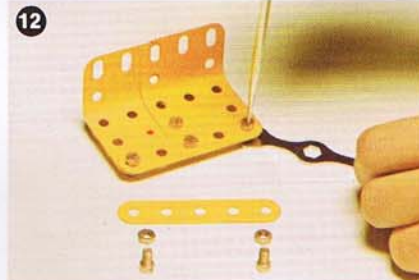
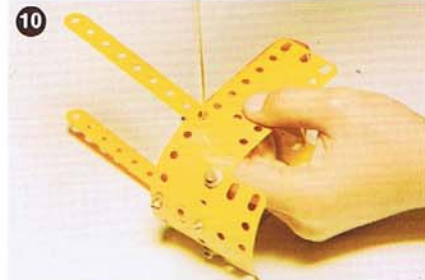


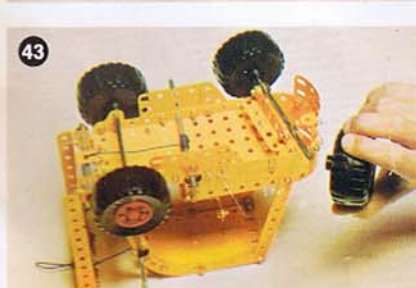
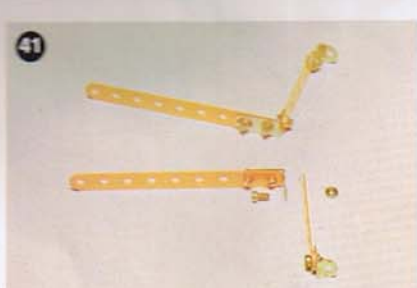
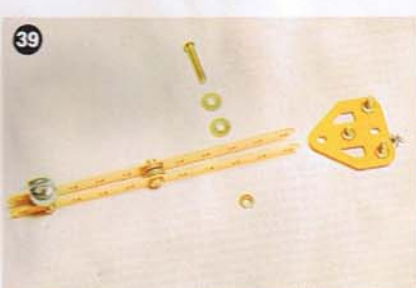
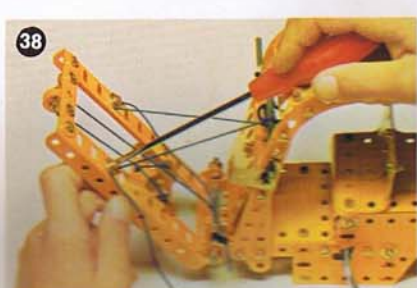
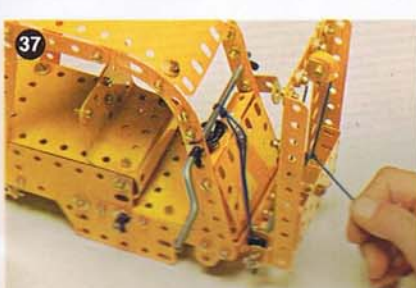
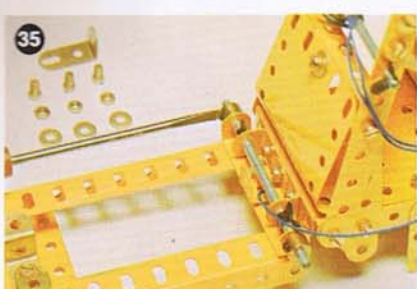
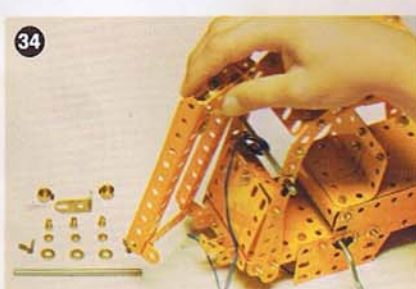
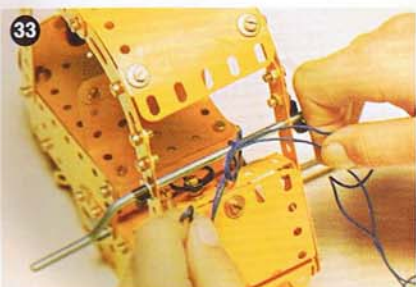
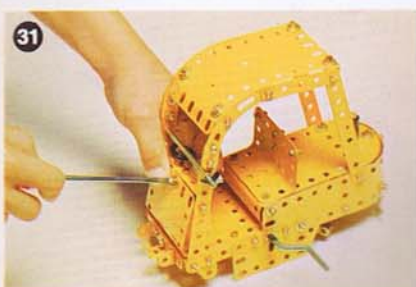
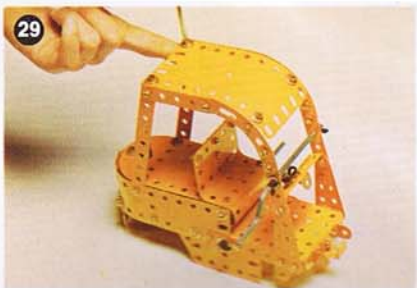


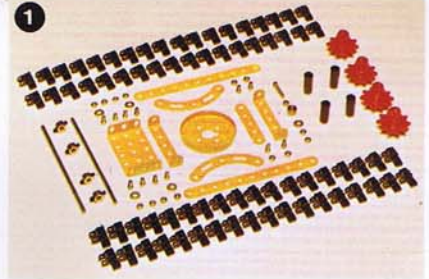
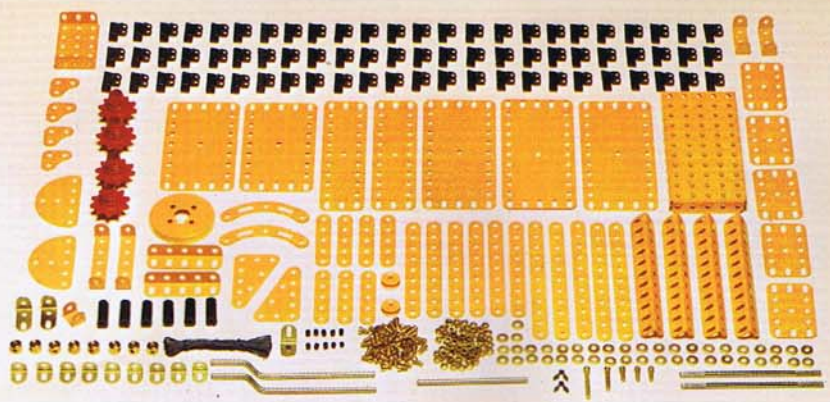


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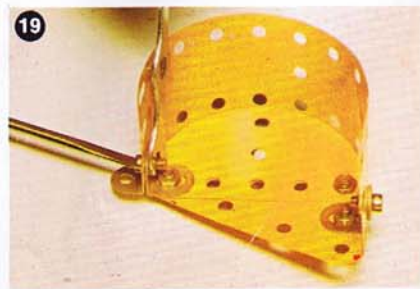
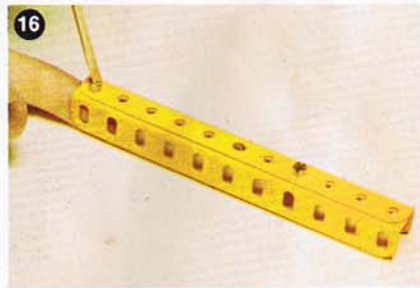
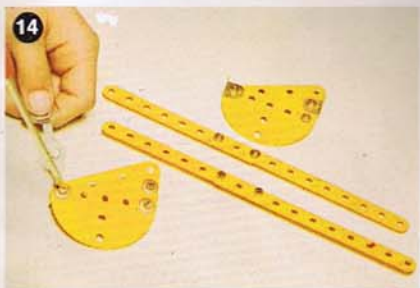
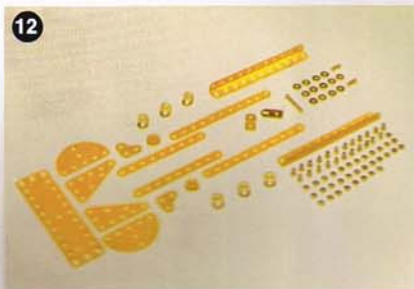
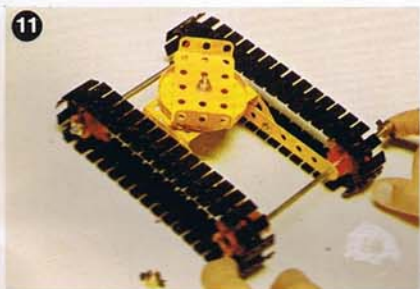
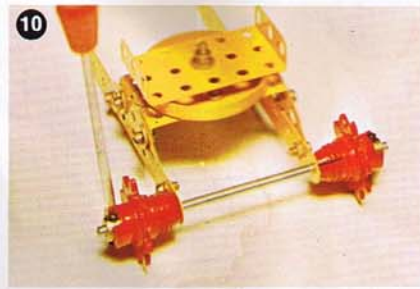
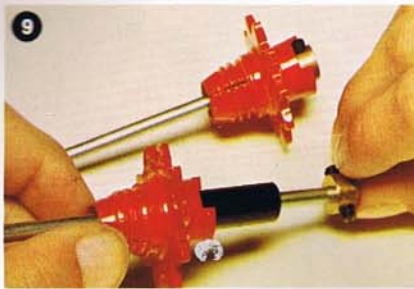
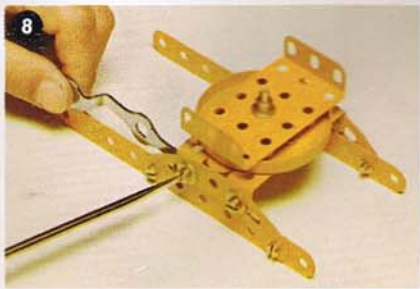
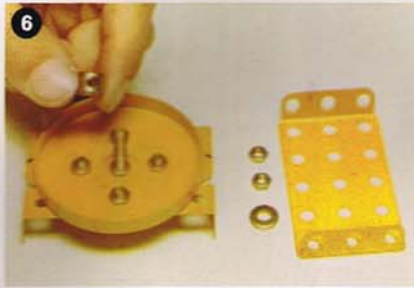
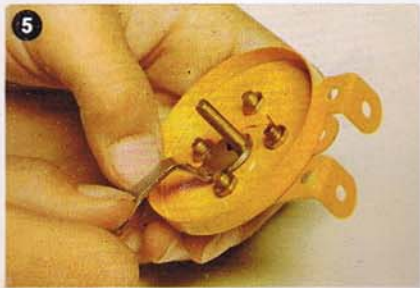
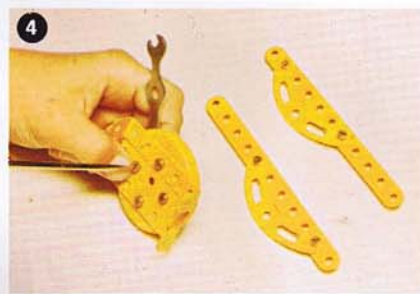
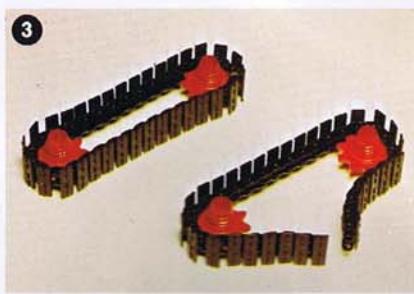
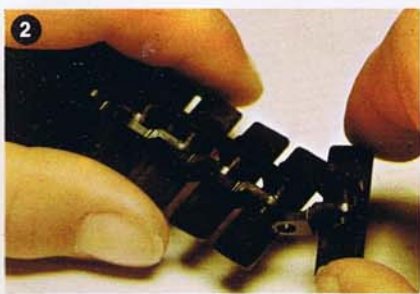


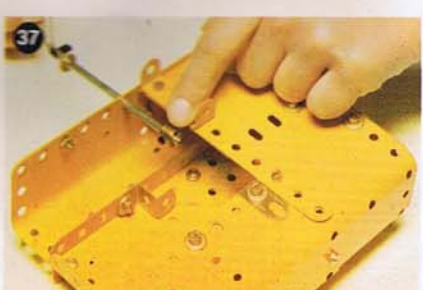
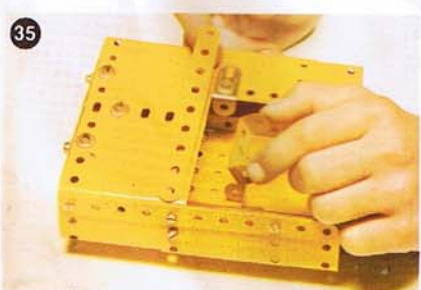
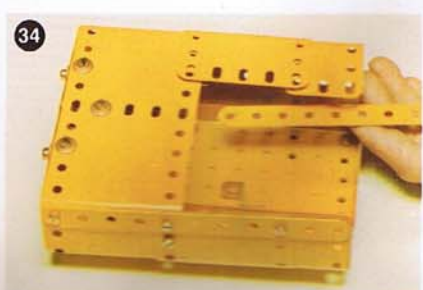
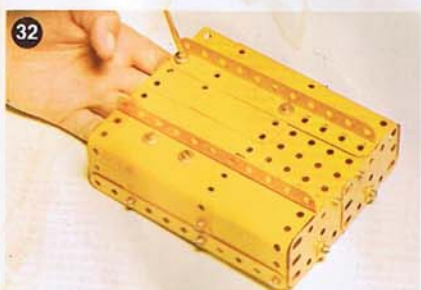
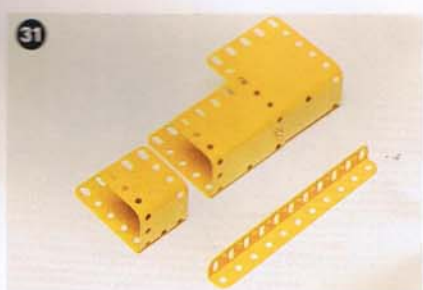
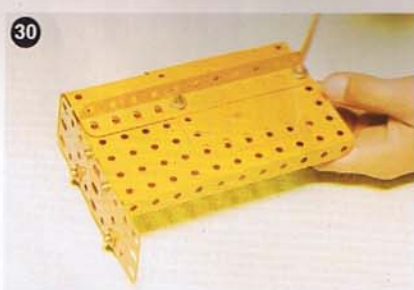
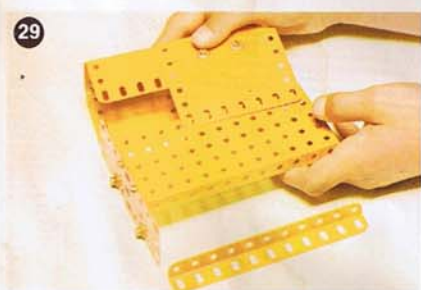
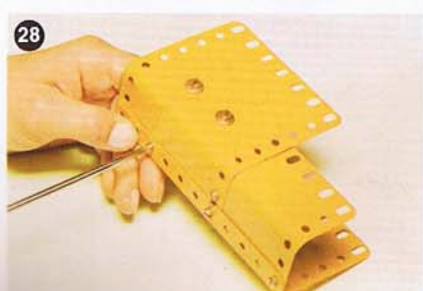
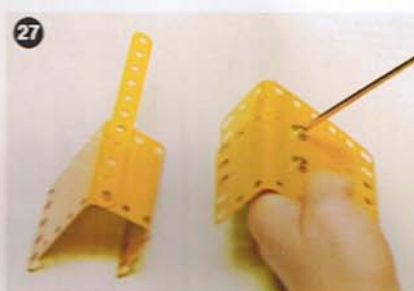
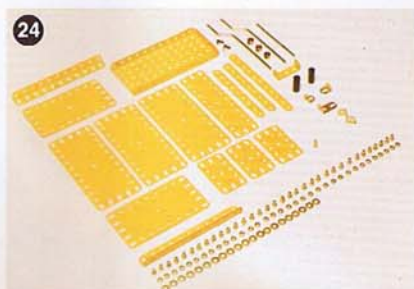
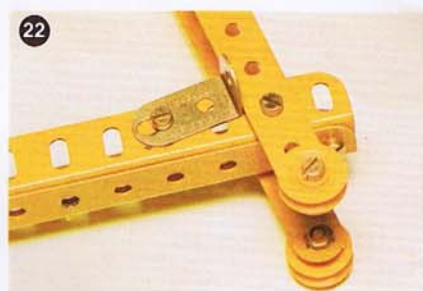
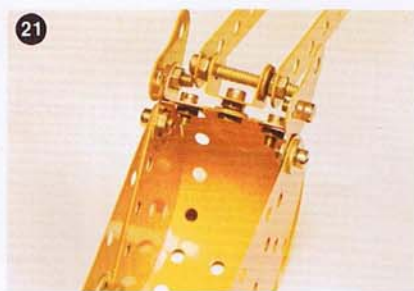


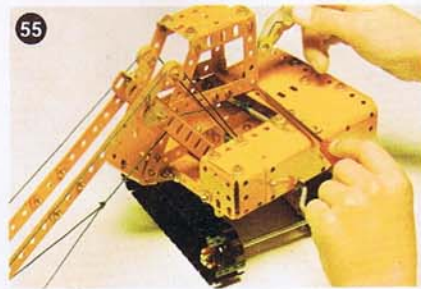
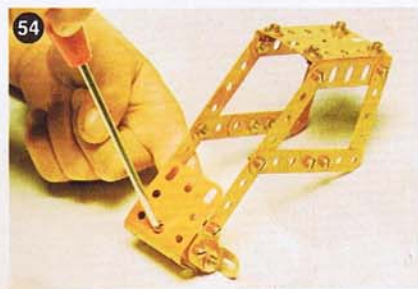
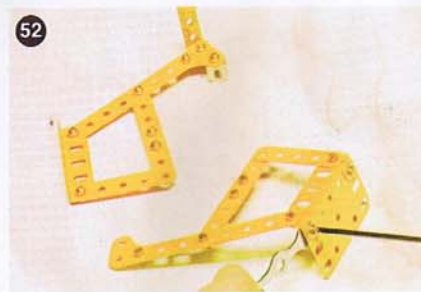
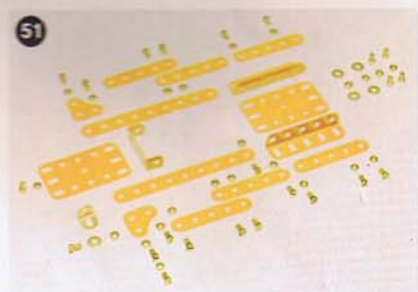
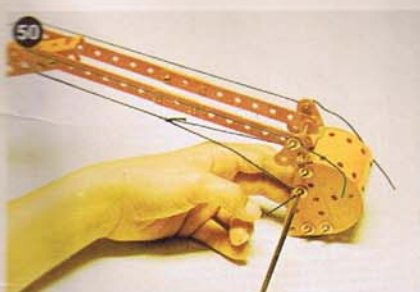
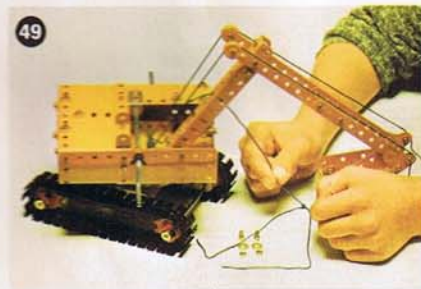
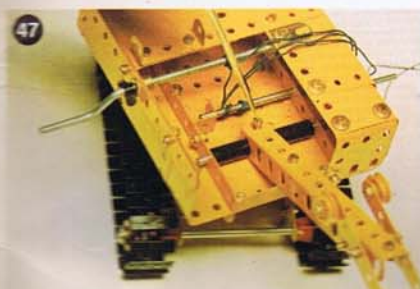
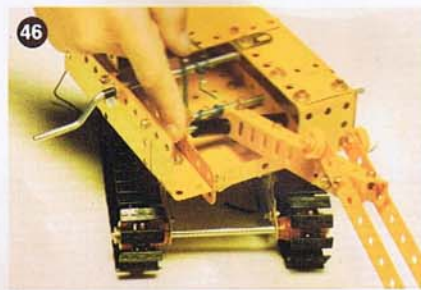
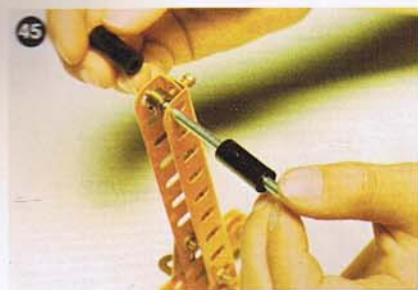
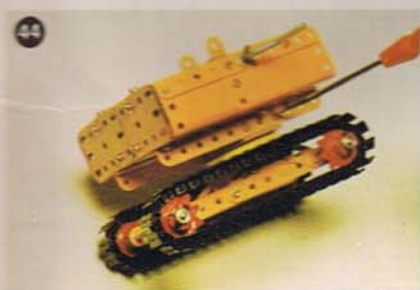
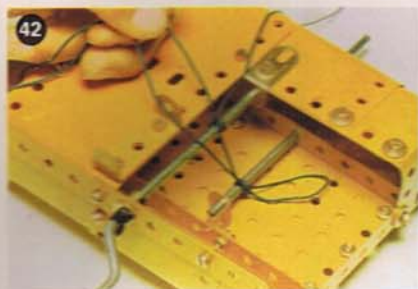
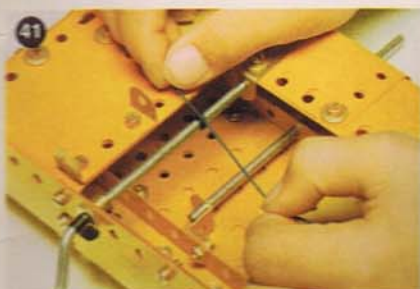
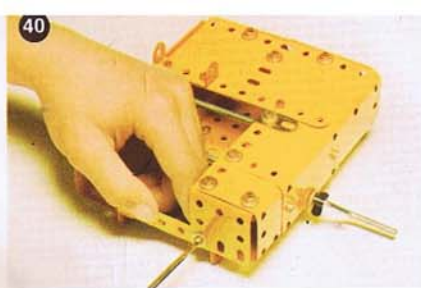
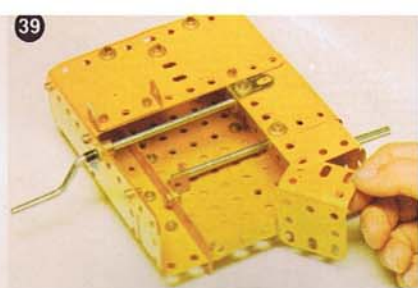


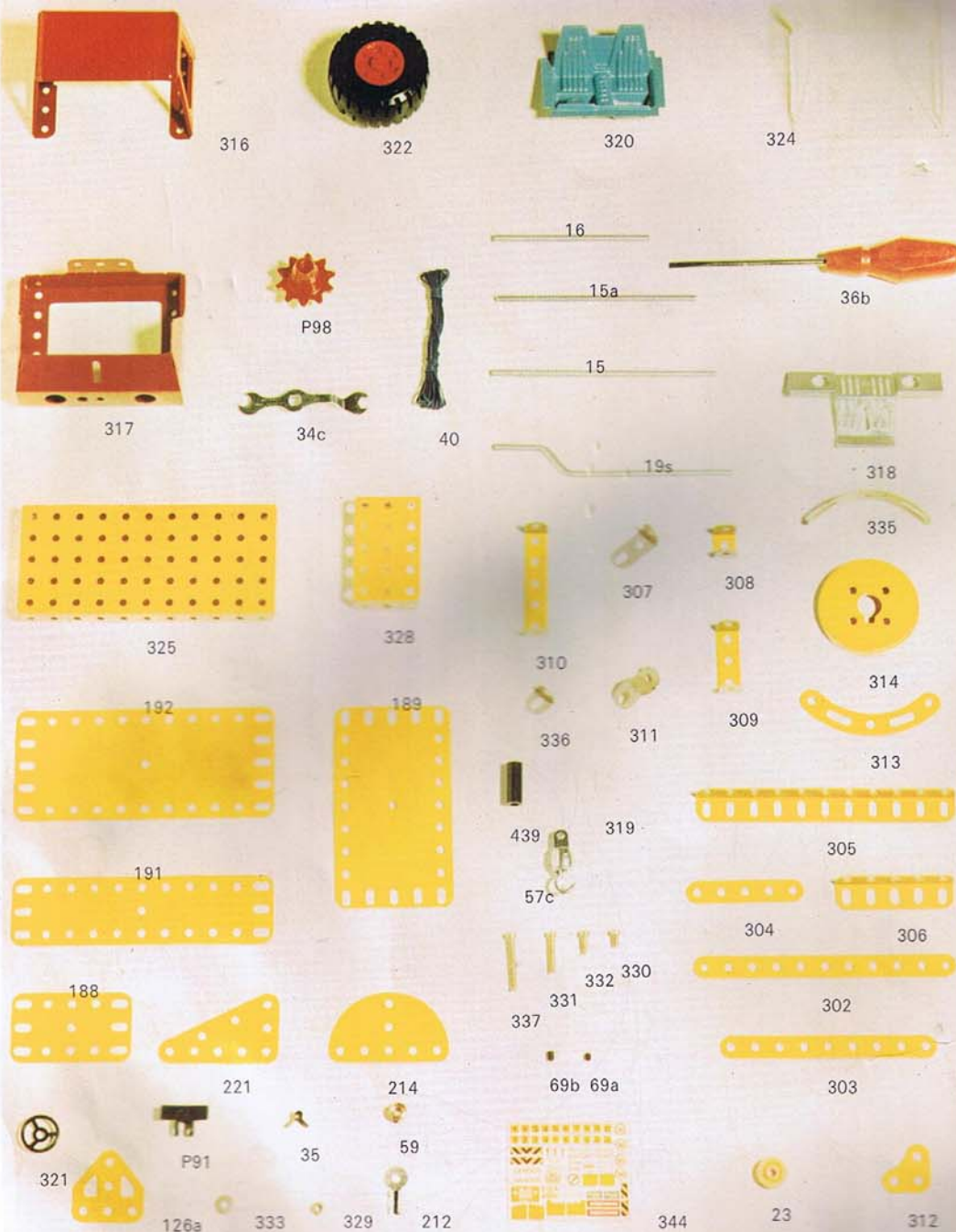


TRENCH DIGGER









Part

No. Description

15	Axle Rod 5"; 127mm.	192	Flexible Plate 5½" x 2½"; 140 x 63mm.	317	Cab Lower
15a	Axle Rod 4½"; 114mm.	212	Rod and Strip Connector	318	Radiator and Bumper Grille
16	Axle Rod 3½"; 89mm.	214	Semi-Circular Plate 2½"; 63mm.	319	Headlight
19s	Crank Handle 3½"; 89mm.	221	Triangular Plate 2½" x 1½"; 63 x 38mm.	320	Seat
23	Pulley (Plastic) ½"; 12mm.	302	Strip 5½"; 140mm.	321	Steering Wheel
34c	Spanner	303	Strip 4½"; 114mm.	322	Wheel - Complete
35	Spring Clip	304	Strip 2½"; 63mm.	324	Window
36b	Screwdriver	305	Angle Girder 5½"; 140mm.	325	Flanged Plate 5½" x 2½"; 140 x 63mm
40	Hank of Cord	306	Angle Girder 2½"; 63mm.	328	Flanged Plate 2½" x 1½"; 63 x 38mm.
57c	Loaded Hook	307	Angle Bracket 1" x ½"; 25 x 12mm.	329	Nut (Hexagon)
59	Collar and Grub Screw	308	Double Bracket ½" x ½"; 12 x 12mm.	330	Bolt ½"; 5mm.
69a	Grub Screw ⅝"; 4mm.	309	Double Angle Strip 1½" x ½"; 38 x 12mm.	331	Bolt ½"; 19mm.
69b	Grub Screw ⅜"; 5mm.	310	Double Angle Strip 2½" x ½"; 63 x 12mm.	332	Bolt ½"; 10mm.
P91	Caterpillar Link	311	Reversed Angle Bracket ½"; 12mm.	333	Washer ½"; 10mm.
P98	Small Sprocket Wheel	312	Corner Bracket 1"; 25mm.	335	Formed Slotted Strip
126a	Flat Trunnion	313	Stepped Curved Strip 3"; 76mm.	336	Angle Bracket ½" x ½"; 12 x 12mm.
188	Flexible Plate 2½" x 1½"; 63 x 38mm.	314	Wheel Flange	337	Bolt 1½"; 28mm.
189	Flexible Plate 5½" x 1½"; 140 x 38mm.	316	Cab Upper	344	Set of S/A Labels
191	Flexible Plate 4½" x 2½"; 114 x 63mm.			439	Plastic Rod ⅜"; 22mm.



When you've enjoyed building your Multikit models you'll want to build more. Remember Multikits can be used with standard Meccano, which means you can add even more excitement to your model-building. Build terrific models like this railway crane, or the big combine harvester. How about a fully working Meccano Clock! You can build two models - chiming and non-chiming. Add even more excitement to your Meccano and Multikit models by motorising them with electric or clockwork motors. Some models can even be driven by the Meccano Steam Engine!

Il divertimento che Vi porta la costruzione dei Vostri modelli Multikit Vi inciterà a costruirne ancora di più. RicordateVi che i componenti dei Multikit possono essere adattati per uso nel Standard Meccano, il che riempierà di gioia quei momenti passati nella creazione di modelli.

Costruite modelli meravigliosi come questa gru ferroviaria o la grande mietitrebbia. Cosa ne direste di un orologio Meccano che funziona perfettamente? Potete costruire due modelli, con o senza "carillon".

E per rendere ancora più divertenti i Vostri modelli Meccano o Multikit, motorizzateli con motori elettrici o a molla. Inoltre, alcuni modelli possono essere azionati dalla macchina a vapore Meccano!

Sicherlich hat Dir das basteln mit den Multi-Kit-Fahrzeugen viel Spass gemacht. Wusstest Du, dass Du Deine Multi-Kit-Modelle durch Kombination mit dem Meccano-Metalbaukasten interessant erweitern kannst? Tolle Fahrzeuge, wie z.B. dieser Eisenbahnkran oder der grosse Mähdrescher kann man bauen. Wie waere es mit einer richtigen Uhr aus Meccano-Teilen? Du kannst zwischen zwei Modellen waehlen - mit oder ohne Schlagwerk.

Man kann sogar noch mehr Spass an den Meccano - oder Multi-Kit-Modellen finden, wenn man einen Meccano-Elektro- oder Uhrwerk-Motor einbaut. Einige Modelle koennen auch mit der Meccano-Dampfmaschine angetrieben werden.

Har du først hatt gleden av å bygge noen 'Multikit' modeller, vil du sikkert ha lyst til å bygge flere ting. Husk da at 'Multikit' kan bli brukt sammen med det vanlige Meccano byggesettet, og at du dermed kan gjøre din modellbygging enda mere spennende. Du kan bygge imponerende modeller slik som denne jernbanekranen, eller en stor ferhøster om du vil. Hva synes du om en Meccano - klokke som virker! Det er to modeller av den: en som kan ringe og en som ikke kan ringe. Få enda mere glede utav Meccano eller 'Multikit' modellene dine ved å motorisere dem med elektriske eller optrekksmotorer. Noen modeller kan til og med bli drevet av en Meccano dampmaskin.

La satisfaction d'assembler les modèles Multikit vous incitera à construire d'avantage: n'oubliez pas que les pièces des Multikits s'adaptent à celles du Meccano Standard, ce qui vous apportera beaucoup plus de possibilités de montage. Construisez des modèles fascinants tels que cette Grue de Dépannage ou cette grande Moissonneuse-Batteuse. Et cette Horloge fonctionne parfaitement - il en existe deux versions: avec ou sans sonnerie. Quelle joie aussi de pouvoir animer vos modèles Meccano et Multikit grace aux moteurs électriques et à ressort Meccano. Certains modèles peuvent même être actionnés par la Machine à Vapeur Meccano.

Als je plezier gehad hebt met het bouwen van Multikit modellen wil je er meer doen. Onthouden dat Multikit gebruikt kan worden met de standaard uitvoering van Meccano wat nog meer opwinding betekent, bij model bouw.

Bouw grote modellen zoals spoorhijskranen en dors combinaties. Hoe zou je de volledige werkende Meccano klok vinden er zijn twee soorten met slagwerk en zonder.

Voeg nog meer opwinding toe aan je Meccano-Multikit modellen door deze te doen bewegen met electriciteits klokmotoren.

Sommige modellen kunnen zelfs voortbewogen worden door de Meccano stoom machine.

