

TOYOTA CELICA LB TURBO Gr.5

KIT NO.GC-2009



Toyota Celica LB Turbo Group 5 cars are modified stock cars for competition. The International Manufacturers Championship Race is one of the famous events for these Group 5 machines. They also compete in the German International Championship. In Group 5, the Manufacturers Championship Race and also the German International Championships were completely dominated by the extremely successful Porsche 935 Turbo. The Toyota Celica LB Turbo was produced and designed to compete against the Porsche cars. This car made its debut during a Group 5 race which was held as a supporting event for the German Formula One Grand Prix on the 30th July 1977 and its performance was a great surprise to everybody.

The basic model is a Toyota Celica Hatchback 2000 GT, and to meet the Group 5 specifications extensive modifications were carried out on the entire machine. The West German company, Schnitzer, carried out these extensive modifications.

The Celica LB Turbo engine which is based on the Toyota 18R type G, was equipped with a special 16 valve cylinder head which was made by Schnitzer. This resulted in a high performance engine which develops about 245 bhp when turned for rally work. For Group 5 races the engine capacity was increased to 2090 cc, and a Kugelfischer fuel injection system was installed. In addition to this a Turbo charger made by KKK was fitted, and the combination of these two additions produced 560 bhp. Modifications were also carried out to the body, except for the bonnet, roof, doors and rail panel, which in Group 5's specifications, may not be altered. All the other parts were made in GRP (glass reinforced fibre) and the chassis had been so altered that the original shape was hardly recognisable. As a result of these alterations the body itself weighed only 860 kg.

The silhouette formula Celica LB Turbo, which originated in Japan and was modified in Germany, was driven by the well-known Formula One driver, Harald Ertl, and on the 16th

October 1977 it was victorious at Solda in Belgium when it triumphed over the usually victorious Porsche 935 Turbo.

* * *

Die Rennwagen der Gruppe 5 (Umbau handelsüblicher Wagen) werden auch Silhouette - Formelwagen genannt. Das internationale Marken-Meisterschaftsrennen ist das wichtigste Rennen der Gruppe 5.

Auch an der deutschen Nationalmeisterschaft nimmt die Gruppe 5 teil. In diesen beiden Rennen konnten die äusserst starken Porsche 935 Turbo die Plätze belegen.

Der Toyota Celica LB Turbo wurde entwickelt um gegen Porsche anzutreten.

Im grossen Preis von Deutschland der Formel 1 am 30. Juli 1977 wurde als Vorveranstaltung ein Rennen der Gruppe 5 gefahren.

Das Erscheinen des Toyota Celica LB Turbo überraschte jedermann.

Das Grundmodell ist der Toyota Celica Liftback 2000 GT, dem Reglement entsprechend umgebaut.

Motorhaube, Dach, Heck und Türen sind Originalteile die nicht umgebaut werden dürfen. Durch Glasfaser jedoch wurde die gesamte Karosserie so gestaltet, dass die ursprüngliche Form nicht mehr zu erkennen ist.

Der 18 R-G Motor von Toyota wurde von der deutschen Firma Schnitzer mit einem 16-Ventilkopf auf 2090 cc mit 245 PS getunt und durch den von KKK gebauten Turbo-lader auf 560 PS gebracht. Die Einspritzanlage stammt von Kugelfischer.

Der Celica Turbo der Gruppe 5 - in Japan geboren, in Deutschland begaut und von Harald Ertl gefahren - konnte sich nach seinem vierten Rennen in Solda/Belgien - trotz der siegreichen Porsche - auf den ersten Platz setzen.



Read before assembly
Erst lesen - dann Bauen

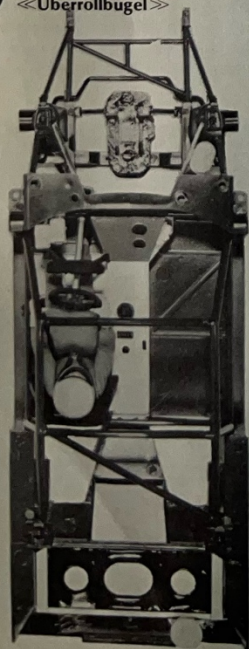
- ★ This kit does not contain 2 UM3(AA) size batteries.
- ★ Study the instructions and photographs before commencing assembly.
- ★ You will need a sharp knife, a screwdriver, a file and a pair of pliers.
- ★ Do not break parts away from sprue, but cut off carefully with a pair of pliers.
- ★ Use cement sparingly. Use only enough to make a good bond. Apply cement to both parts to be joined.
- ★ This kit can be assembled into a motorized model with motorization rear axle or a display rear axle. One can be converted into the other, even after completion by exchanging the rear axle.

● This mark shows the colour.

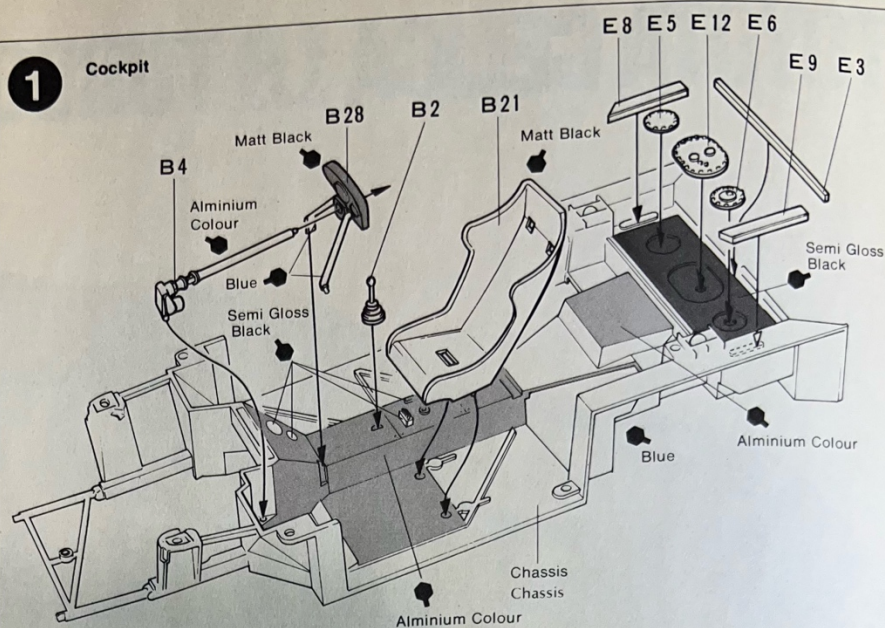
- ★ Zwei UM3 Batterien werden benötigt.
- ★ Vor Beginn die Bauanleitung studieren und den Nummern nach die Elemente zusammenbauen.
- ★ Bauteile nicht vom Spritzling abbrechen, vorsichtig abschneiden oder abzwicken, Teile vor Kleben zusammenhalten, auf genauen Sitz achten. Nicht zuviel Klebstoff verwenden. Klein Teile hält man mit Pinzette fest.
- ★ Abziehbilder vorsichtig von der Unterlage im Wasser abschieben, auf richtigen Sitz achten und gut trocknen lassen.
- ★ Dieses Modell kann mit Elektro-Motor zum Fahren oder als Standmodell mit "Schau-Motor" gebaut werden. Beide Motoreinheiten sind auswechselbar.

● Zeichen für Bemalung.

3 <<Roll Bar>> <<Überrollbügel>>

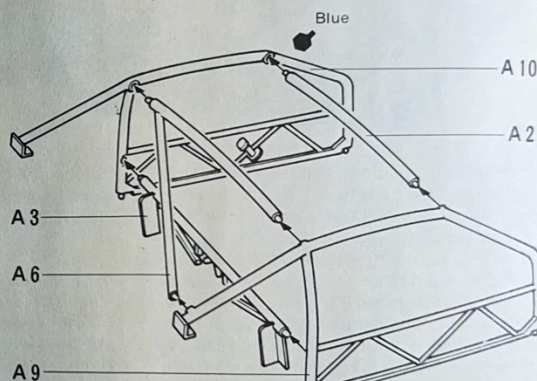
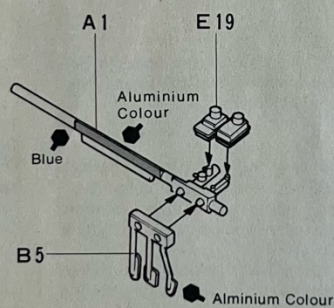


1 Cockpit

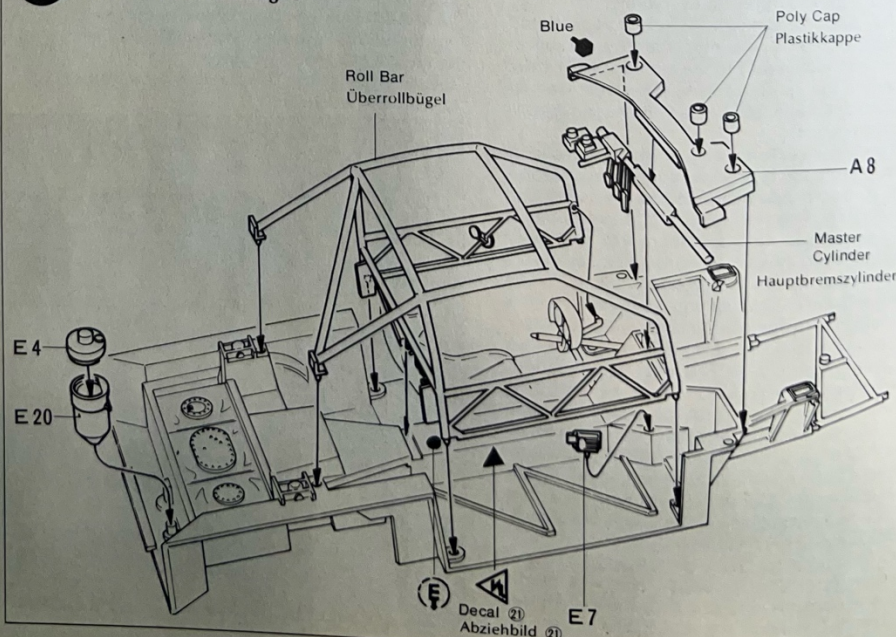


2 Roll Bar Überrollbügel

<<Master Cylinder>>
<<Hauptbremszylinder>>



3 Fixing of Roll Bar Einbau des Überrollbügels



Da die Zeichnung nur die Farben über die du nur Farbstyrol

<<Pa The C pearce Germ paint sor "I spect also i make etc. 1 figure held shoul as th the 15 kit. Ap ure o cludir little small If you plying decal

<<Ber Der W schaft blaue spon: Briller sind (Öl). Der W Belgie 56 od das 19 (siehe spoile schied kleine empfc Abziel

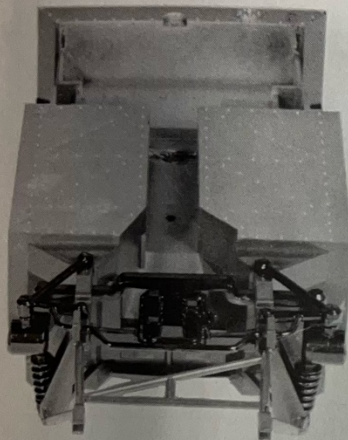
Car M Wage



4 «Fixing of Driver Figure»
«Einbau des Fahrers»
«Driver Figure»
«Mannchenbau»

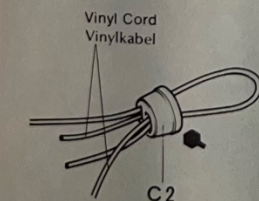


5 «Front Suspension»
«Vordere Achsaufhängung»

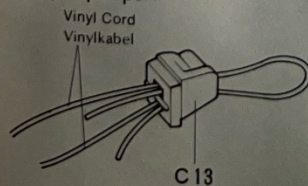


6 «Engine»
«Motor»

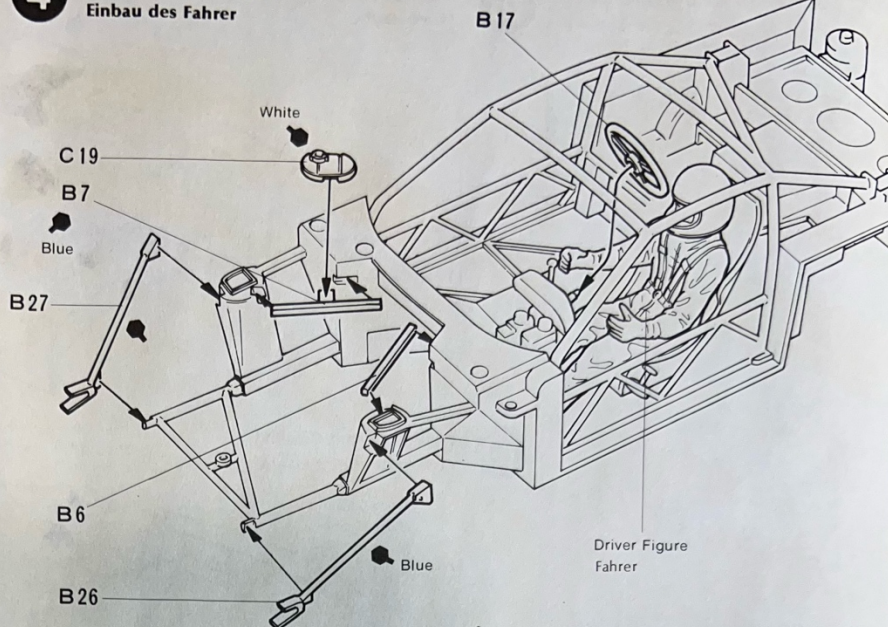
«Distributor»
«Verteiler»



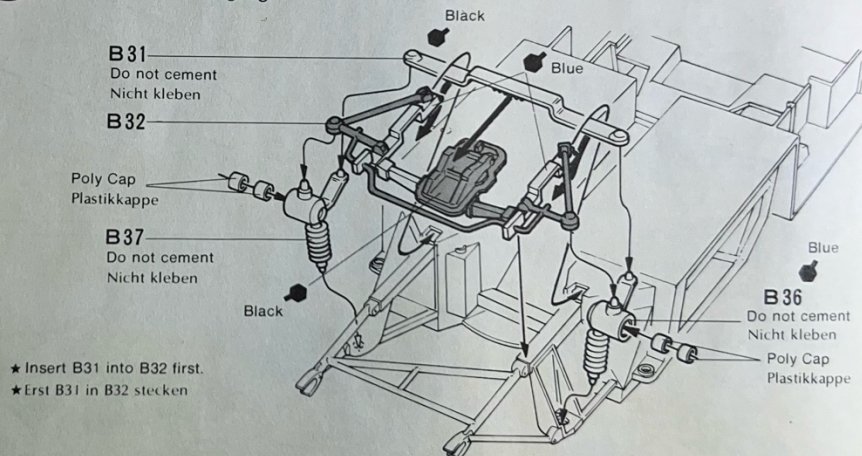
«Injection Pump»
«Einspritzpumpe»



4 Fixing of Driver Figure
Einbau des Fahrers

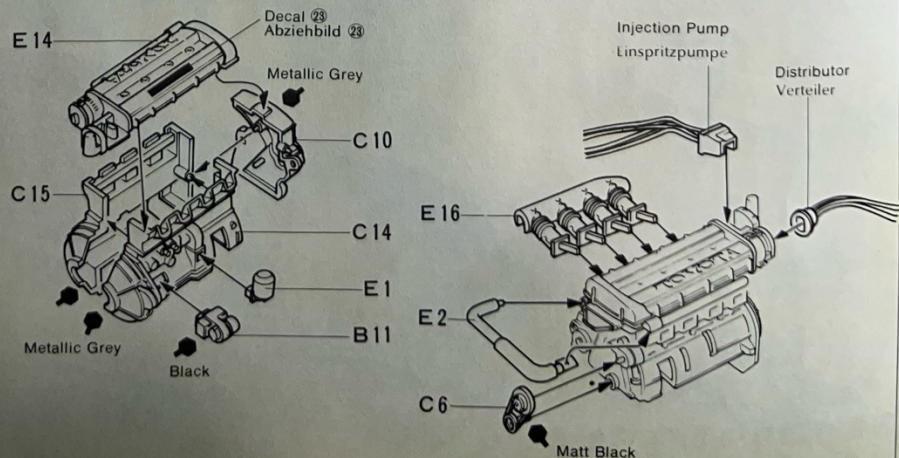


5 Front Suspension
Vordere Achsaufhängung

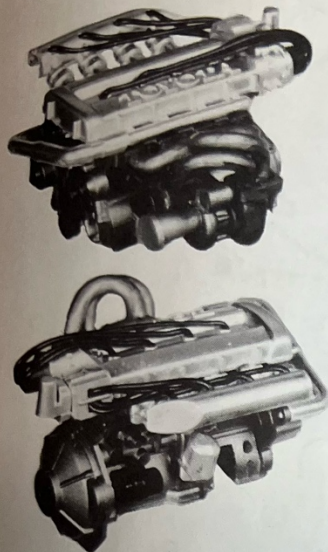


★ Insert B31 into B32 first.
★ Erst B31 in B32 stecken

6 Engine
Motor

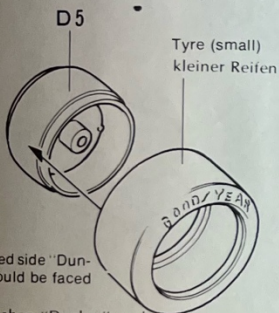


7 «Turbo Charger»
«Turbolader»

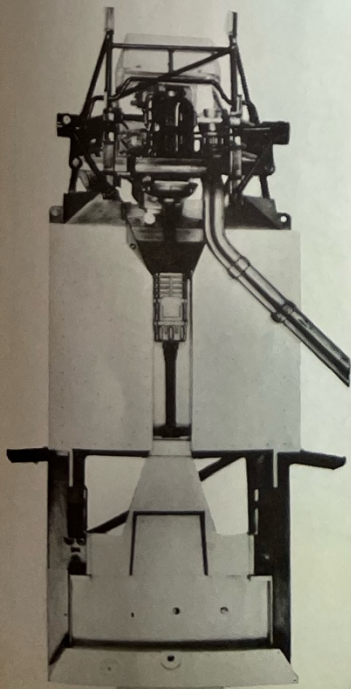


10 «Exhaust Pipe»
«Auspuffrohr»

«Front Wheel» Make 2 sets
«Vorderrad» 2 Satz

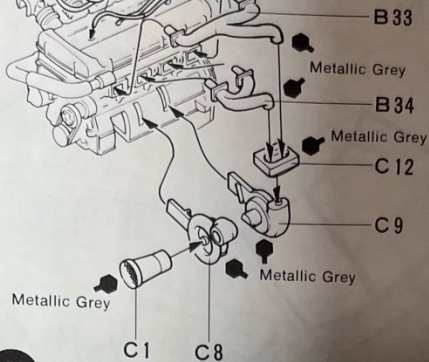


* Lettered side 'Dunlop' should be faced outside.
* Buchstaben "Dunlop" nach aussen.



7 Turbo Charger
Turbolader

Cut vinyl cords to proper length and insert them into respective holes.
Vinylkabel auf richtige Länge schneiden und in die Löcher stecken.

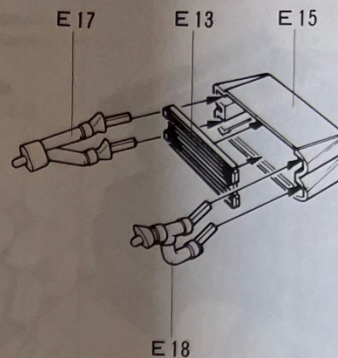


9 Fixing of Engine
Motor - Einbau

Engine Motor

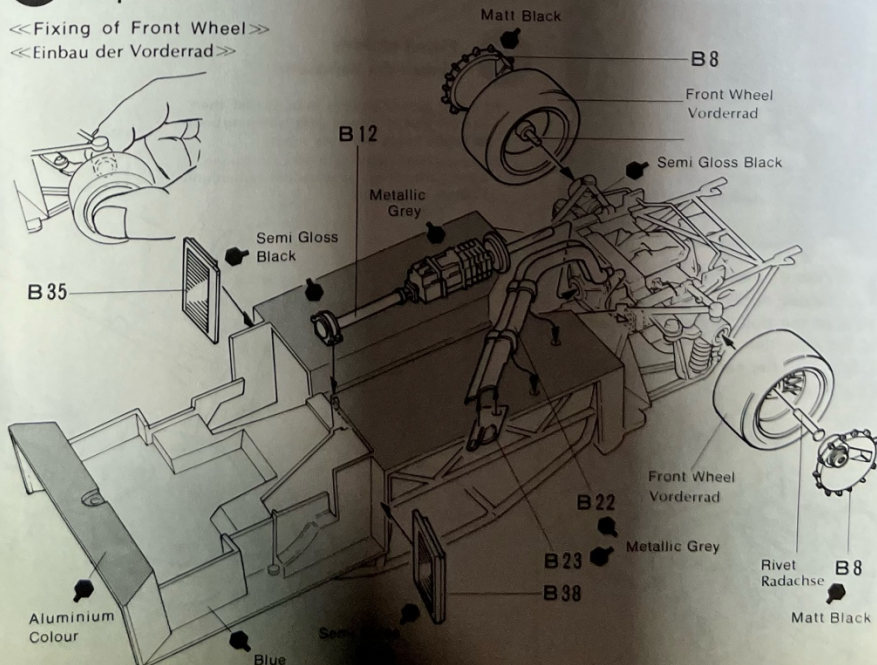
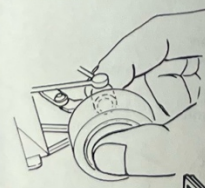
Inter Cooler
Zwischenkühler

8 Inter Cooler
Zwischenkühler



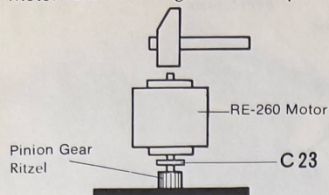
10 Exhaust Pipe
Auspuffrohr

«Fixing of Front Wheel»
«Einbau der Vorderrad»



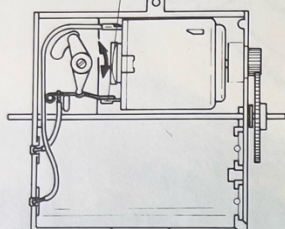
11 << Motor >>

Drive motor shaft into pinion gear.
Motorwelle vorsichtig in Ritzel klopfen.

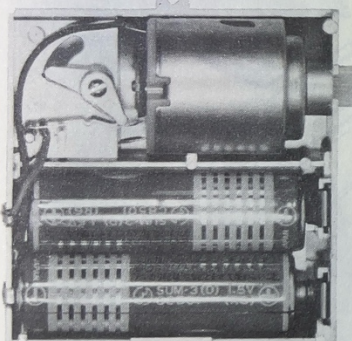


12 << Fixing of Motor >> << Einbau des Motors >>

Switch contact must be touched with motor metal when switch is "ON".
Der Schalterkontakt muss bei "Ein" den Motorkontakt berühren.

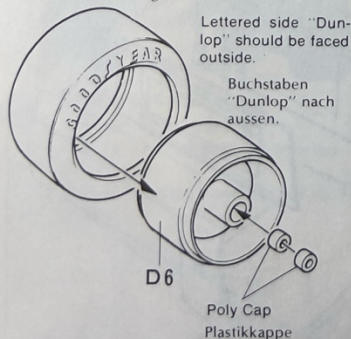


<< Battery >>
<< Batterien >>



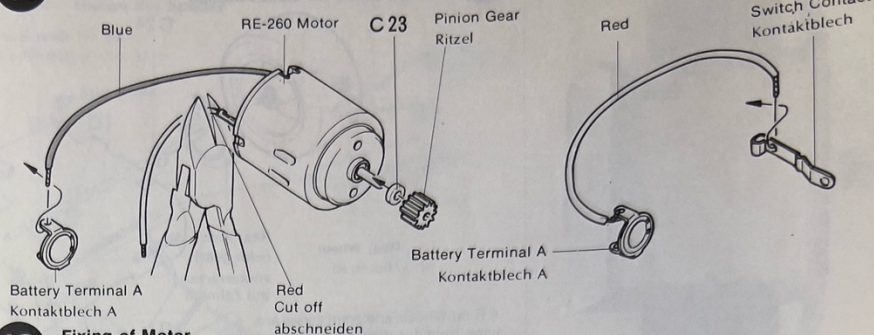
13 << Rear Axle (for Display Model) >> << Hinterachse für Standmodell >>

<< Rear Wheel >> Tyre (large)
<< Hinterrad >> grosser Reifen

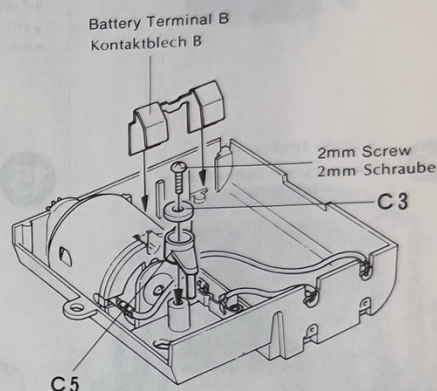
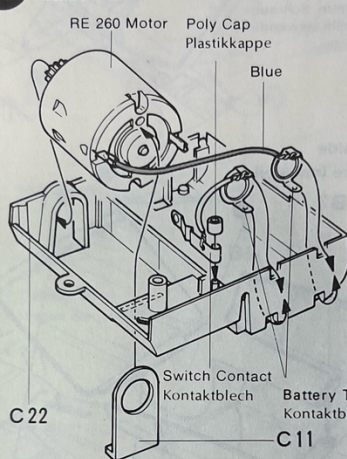


★ Gear Box for display model can be converted into that for motorized model.
Getriebebox für Standmodell und Motormodell ist wechselbar.

11 Motor



12 Fixing of Motor Einbau des Motors



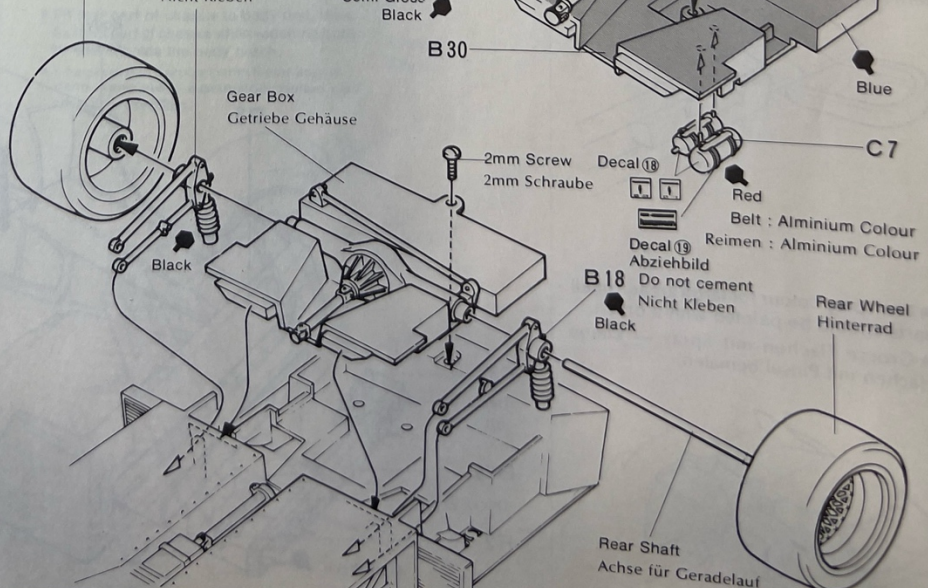
<< Rear Axle (for Display Model) >>
<< Hinterachse für Standmodell >>

13 Rear Axle (for Display Model) Hinterachse für Standmodell

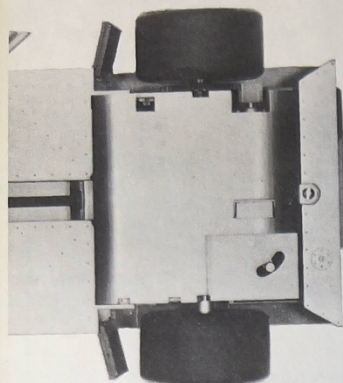
★ Rear Wheel and 2mm Screw are used when motorized model will be assembled.

★ Für Motormodell Hinterrad mit 2mm Schraube einsetzen.

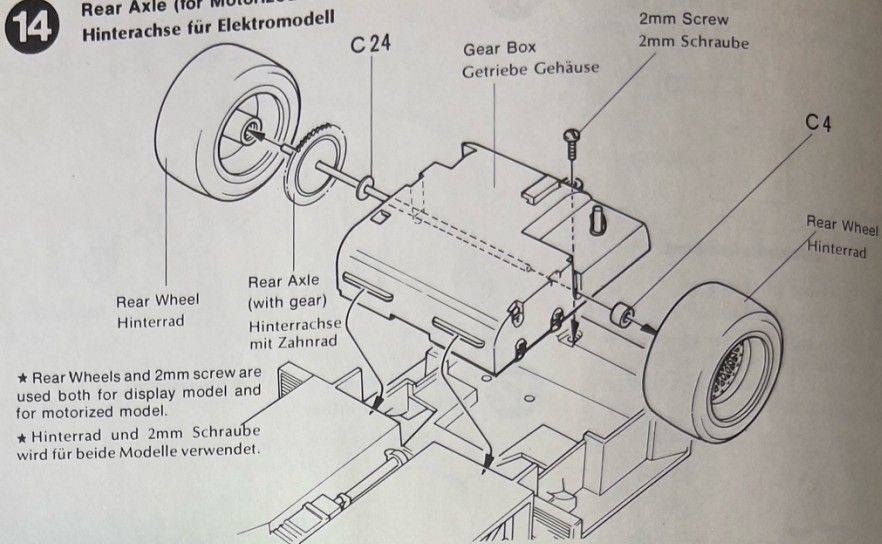
Rear Wheel Hinterrad
Do not cement
Nicht Kleben



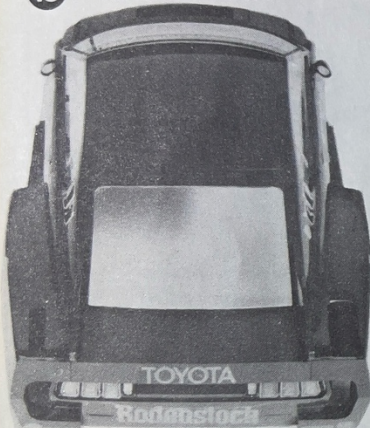
14 <<Rear Axle
(for Motorized Model)>>
<<Hinterrachse für Elektromodell>>



14 Rear Axle (for Motorized Model)
Hinterrachse für Elektromodell

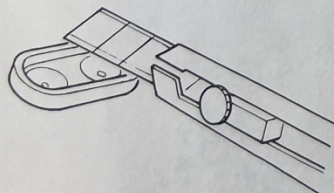


15 <<Body Inside>>
<<Karosserie Innenteil>>

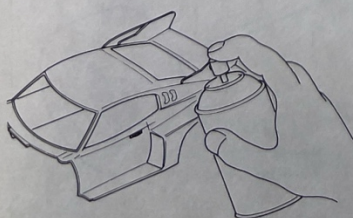


Before cementing plated parts, remove plating with a knife, etc. from the surfaces to which adhesive is applied.

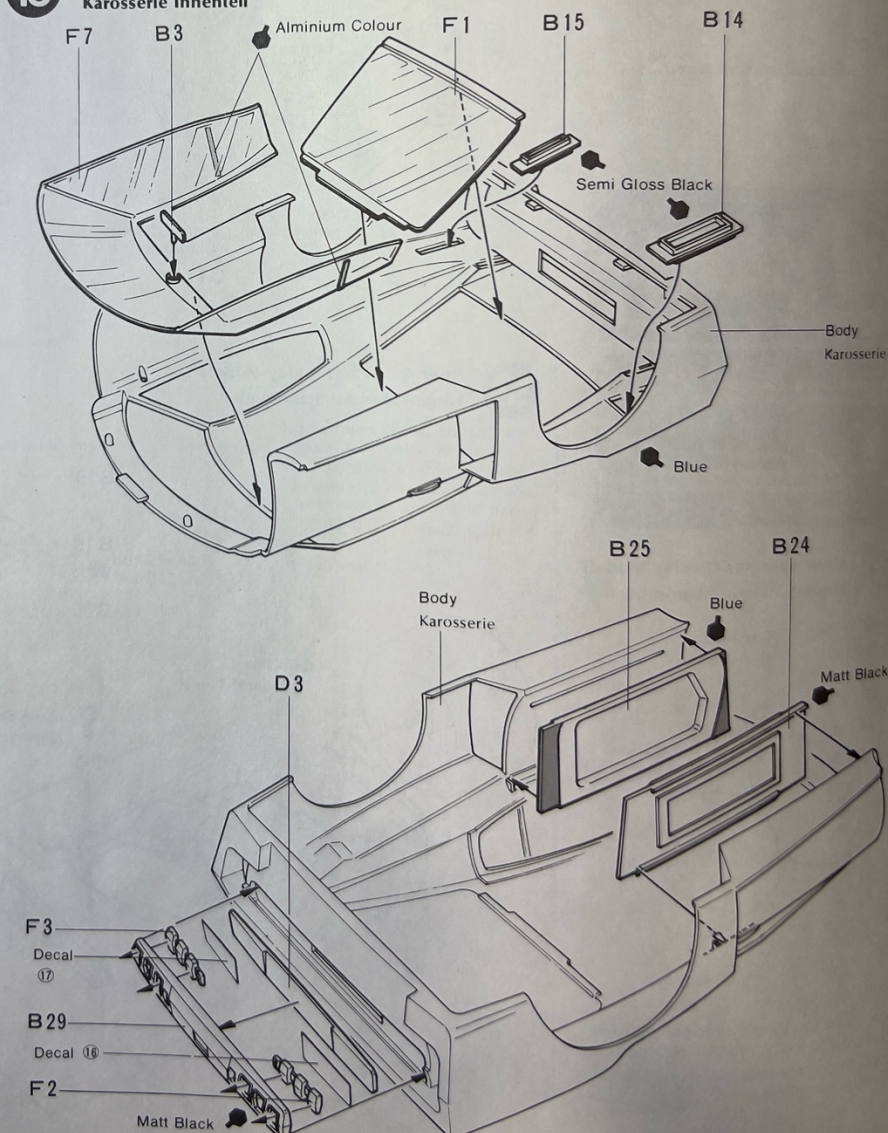
Chromschicht an klebestellen entfernen.



★ Use spray colour for large areas. Small parts should be painted with a brush.
★ Grosse Flächen mit Spray — kleine Flächen mit Pinsel bemalen.



15 Body Inside
Karosserie Innenteil

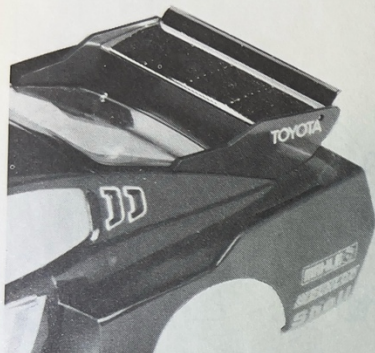


16 «Fixing of Rear Wing» «Einbau des Spoiler»

«Car No. 68»
«Wagen No. 68»

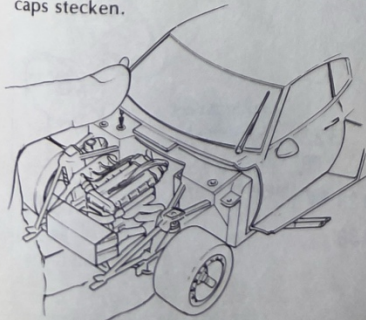


«Car No. 56»
«Wagen No. 56»



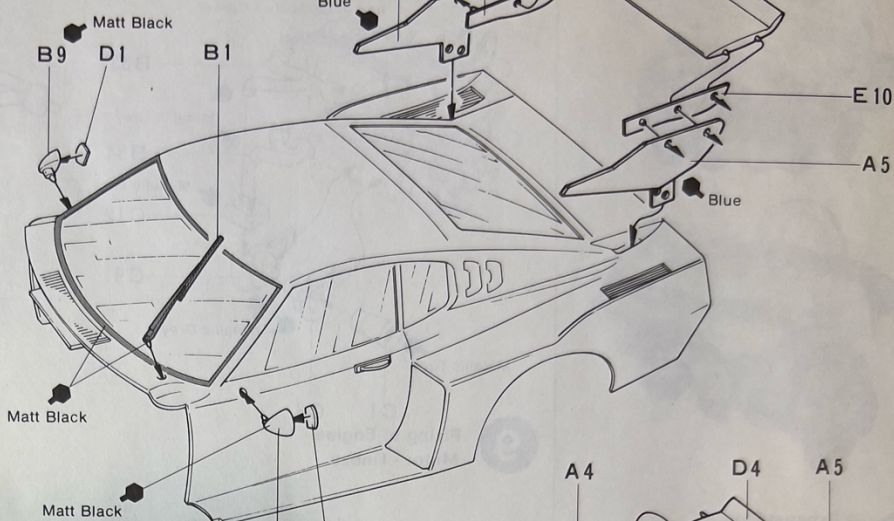
17 «Fixing of Body» «Einbau der Karosserie»

- ★ Pins of the body should be inserted into the poly cap.
- ★ Das Zapfen der Karosserie in die Poly-caps stecken.

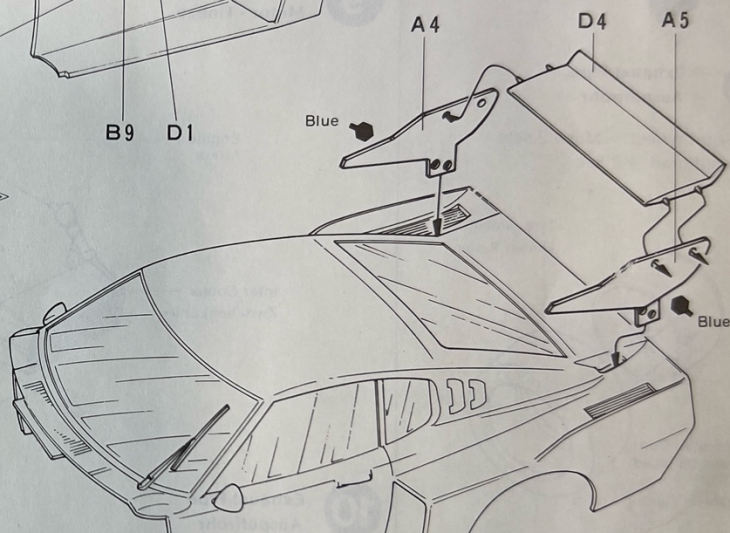


16 Fixing of Rear Wing Einbau des Spoiler

«Car No. 68»
«Wagen No. 68»

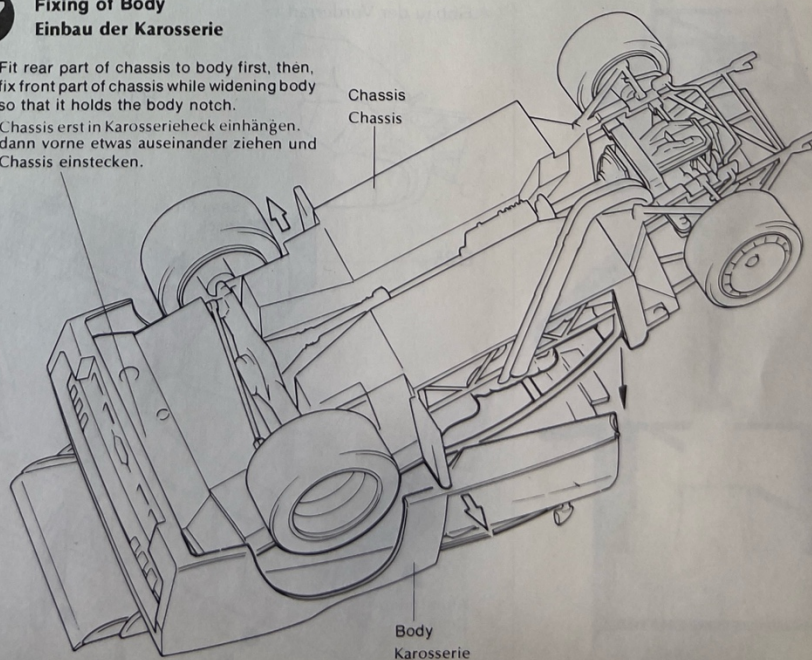


«Car No. 56»
«Wagen No. 56»



17 Fixing of Body Einbau der Karosserie

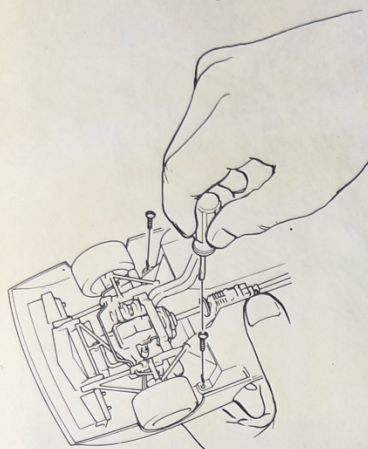
- ★ Fit rear part of chassis to body first, then, fix front part of chassis while widening body so that it holds the body notch.
- ★ Chassis erst in Karosserieheck einhängen, dann vorne etwas auseinander ziehen und Chassis einstecken.



19 <<Fixing of Front Cowling>> <<Einbau der Front-Haube>>

★ Fix front cowling with 2mm screw when the motorized model will be assembled.

★ Bei Elektromodell, die Fronthaube mit 2mm Schraube befestigen.



BUILT A COLLECTION OF TAMIYA PRECISION CAR AND MOTORCYCLE MODELS

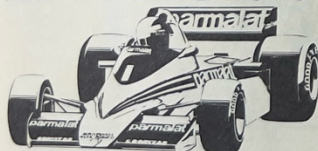
1/20 KREMER PORSCHE 935 TURBO



1/12 1/20 1/24 MARTINI PORSCHE 935



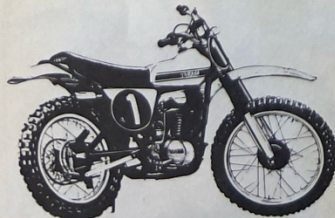
1/20 BRABHAM BT46 ALFA ROMEO



1/12, 1/20 TEAM LOTUS J.P.S. Mk.III

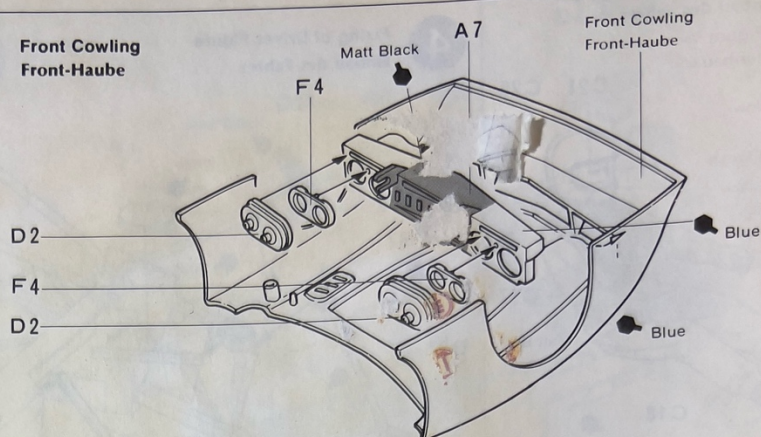


1/6 YAMAHA YZ250

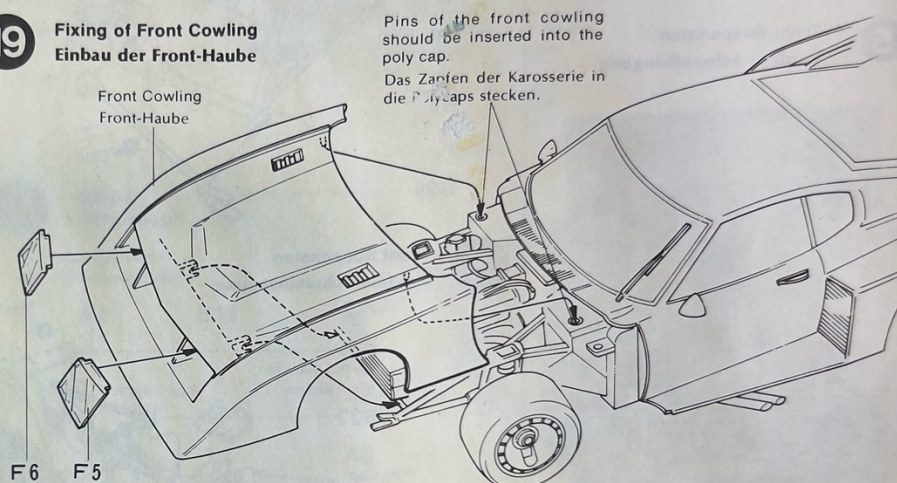


TAMIYA
TAMIYA PLASTIC MODEL CO.
628, OSHIKA, SHIZUOKA-CITY, JAPAN

18 Front Cowling Front-Haube



19 Fixing of Front Cowling Einbau der Front-Haube



<<Completion>> <<Endmontage>>

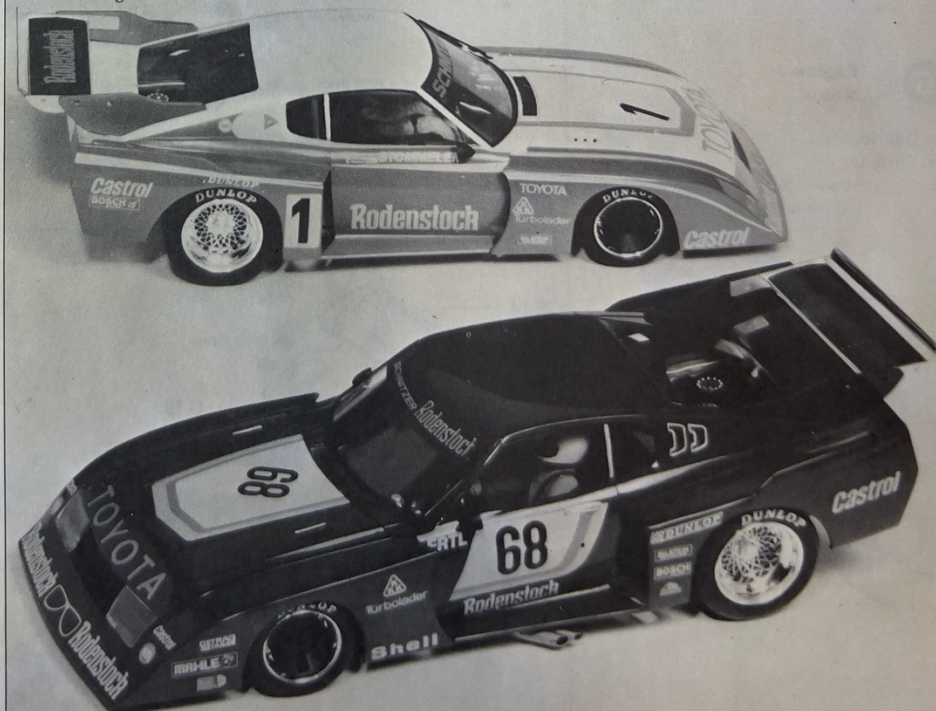


Photo: Two kits are used.

PAINTING

Da die Farben unter der englischen Bezeichnung zu erhalten sind, geben wir nur die englischen Namen an. **Kein Farben auf Nitrobasis verwenden.** Wir übernehmen keine Haftung für Schäden die durch falsche Farbenwahl entstehen. Nur **Farben verwenden, die für Polystyrol Plastik geeignet sind.**

<<Painting of Celica LB Turbo>>

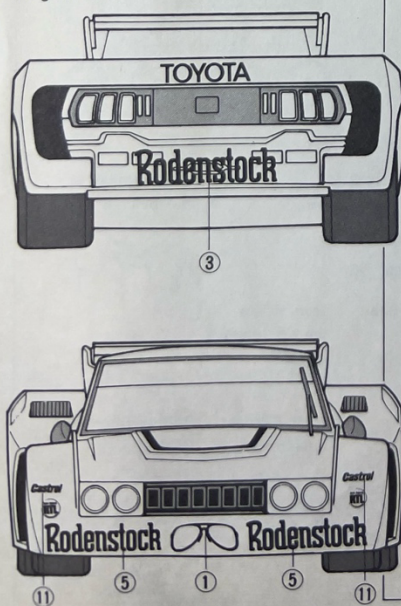
The Celica LB Turbo group 5 which appeared in the 1977 group 5 race for the German National Championship, was painted dark blue overall. The main sponsor "Rodestock" is a famous German spectacle manufacturer. The machine also wore the names and marks of tyre maker "Dunlop", oil maker "Castrol", etc. The machine numbered 68 in the figures at right was the victor in the race held in Solda, Belgium. The decals should be applied differently according as the car number 56 or 68. Decals for the 1978 model are also contained in this kit. Apply them with reference to the figure on the box side, though details including the front spoiler and wing are a little different in shape. For painting of small parts, see the assembly drawings. If you use clear colours, paint before applying decals. They may attack the decals if they are put on them.

<<Bemalung des Toyota Celica LB Turbo>>

Der Wagen, der an der deutsche Meisterschaft 1977 teilnahm, hatte eine dunkelblaue Karosserie. Rodestock der Hauptsponsor, ist der bekannte deutsche Brillenhersteller. Weitere Markierungen sind von Dunlop (Reifen) und Castrol (Öl).

Der Wagen No. 68 war der Sieger in Solda, Belgien. Abziehbilder je nach Wagen No. 56 oder 68 anbringen. Abziehbilder für das 1978 Modell sind ebenfalls beigelegt (siehe Kartonsseiten) obwohl der Frontspoiler und Heckspoiler etwas verschieden in der Form sind. Bemalung kleiner Teile siehe Bauanleitung. Es wird empfohlen, erst bemalen und dann die Abziehbilder anzubringen.

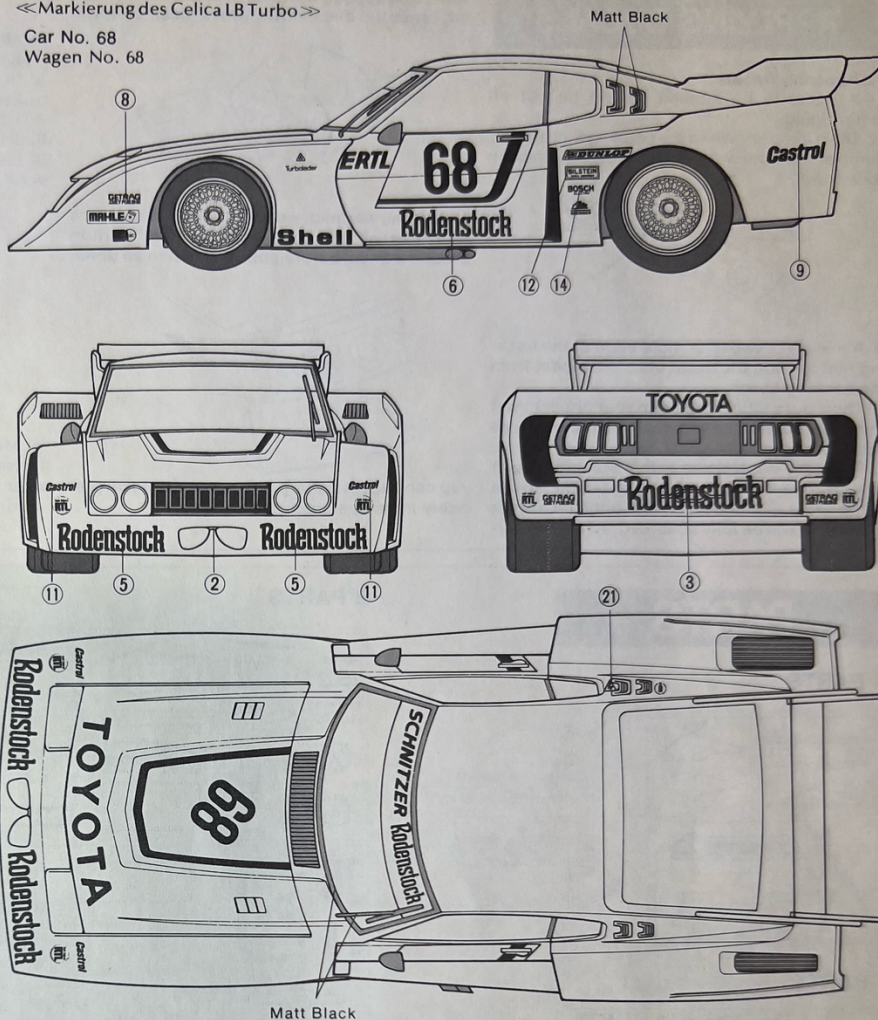
Car No. 56
Wagen No. 56



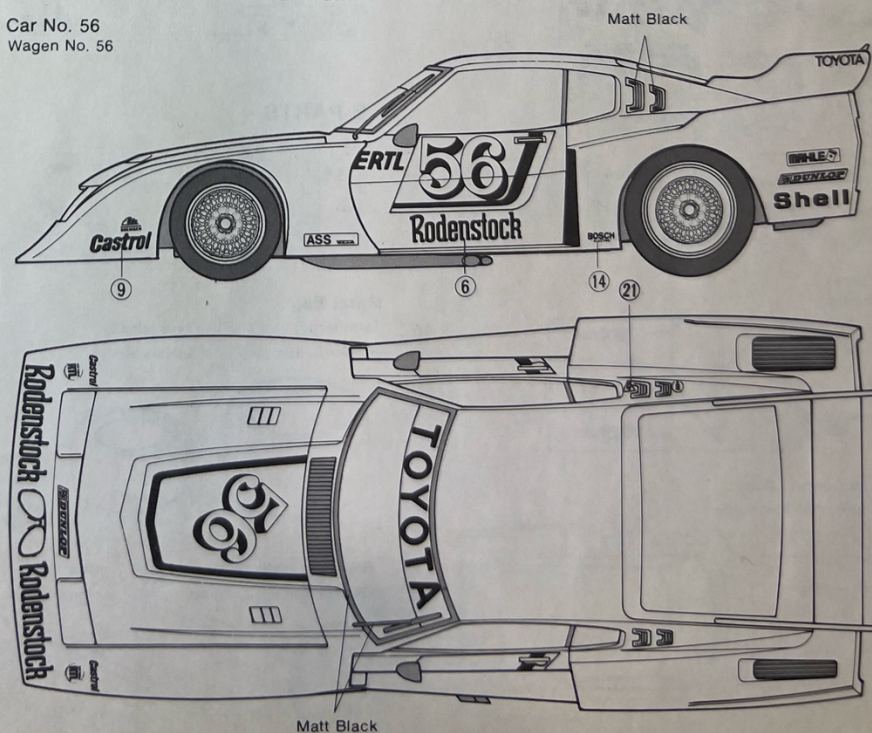
<<Marking of Celica LB Turbo>>

<<Markierung des Celica LB Turbo>>

Car No. 68
Wagen No. 68



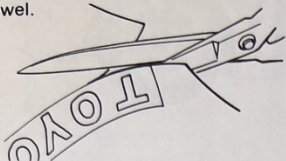
Car No. 56
Wagen No. 56



APPLYING DECALS

«Applying Decals»

- ① A decal to be applied should be cut off beforehand.
- ② Dip it in water. When the backing film arches, remove from the water to place on a cloth such as a towel.

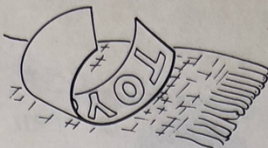


- ③ A minute or two later, hold edge of the backing film to slide the decal onto the model from the backing film.

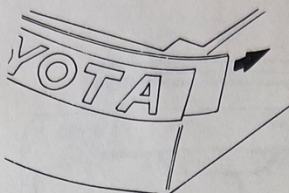
- ④ Then, put a little of water on your finger to wet the decal so that the latter will be moved more easily onto the right spot.

- ⑤ Press the decal down with a soft cloth such as a towel to force air bubbles out of underside of the decal. Continue the work until the excess water, too, will be fully absorbed. When the sur-

face to be applied with a decal is uneven or curved, press the decal down with a steamed towel



so that the warmed, wet decal will fit the surface well. Cut off the excess transparent portion around a decal before applying. When so done,



you can expect a sharp finish with the decal precisely in its specified place.

«Abziehbilder»

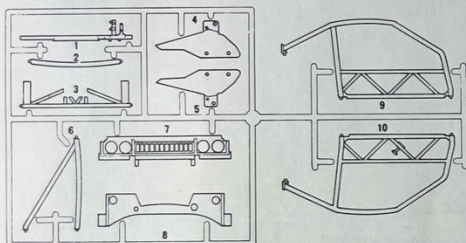
- ① Bild erst genau ausschneiden.
- ② In Wasser legen, wenn Bild abhebt, auf trockenen Stoff legen.
- ③ 1-2 Minuten später, Papier an Ecken halten und Bild abschieben auf Modell.
- ④ Etwas Wasser auf Finger und Bild auf genauen Platz schieben.



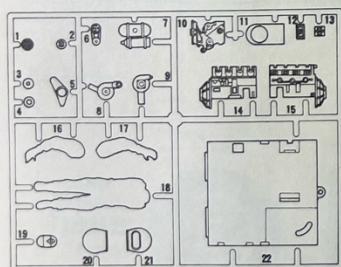
- ⑤ Mit stoff Luftblasen herausdrücken, überflüssiges Wasser aufsaugen. Wenn Fläche uneben oder gebogen ist, Bild mit nassem heissem Tuch aufdrücken.

PARTS

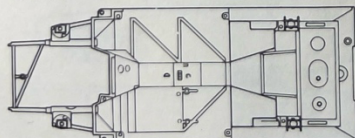
A PARTS



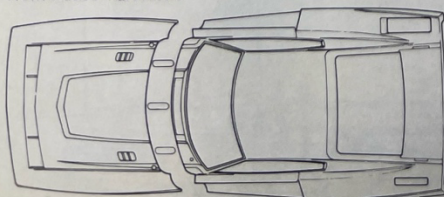
C PARTS



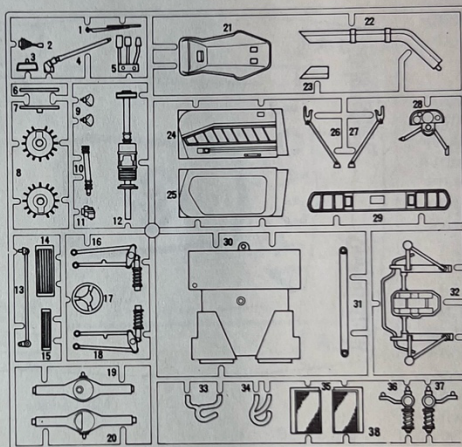
Chassis
Chassis



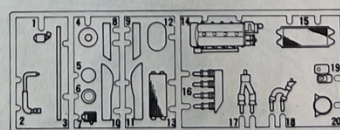
Front Cowling-Body
Front-Haube-Karosserie



B PARTS

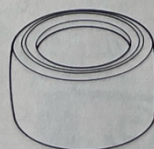


E PARTS



Metal Bag

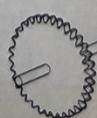
Tyre (large)
grosser Reifen



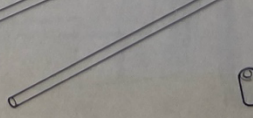
Tyre (small)
kleiner Reifen



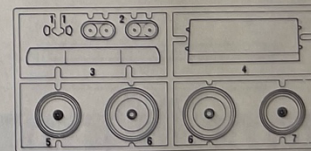
Rear Axle (with gear)
Hinterachse mit Zahnrad



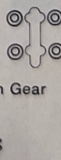
Rear Shaft
Hinterachse



D PARTS



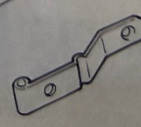
Poly Cap
Plastikkappe



2mm Screw
2mm Schraube



Switch Contact
Kontaktblech



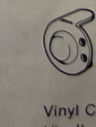
Battery Terminal B
Kontaktblech B



Rivet
Radachse



Battery Terminal A
Kontaktblech A



Vinyl Cord
Vinylkabel