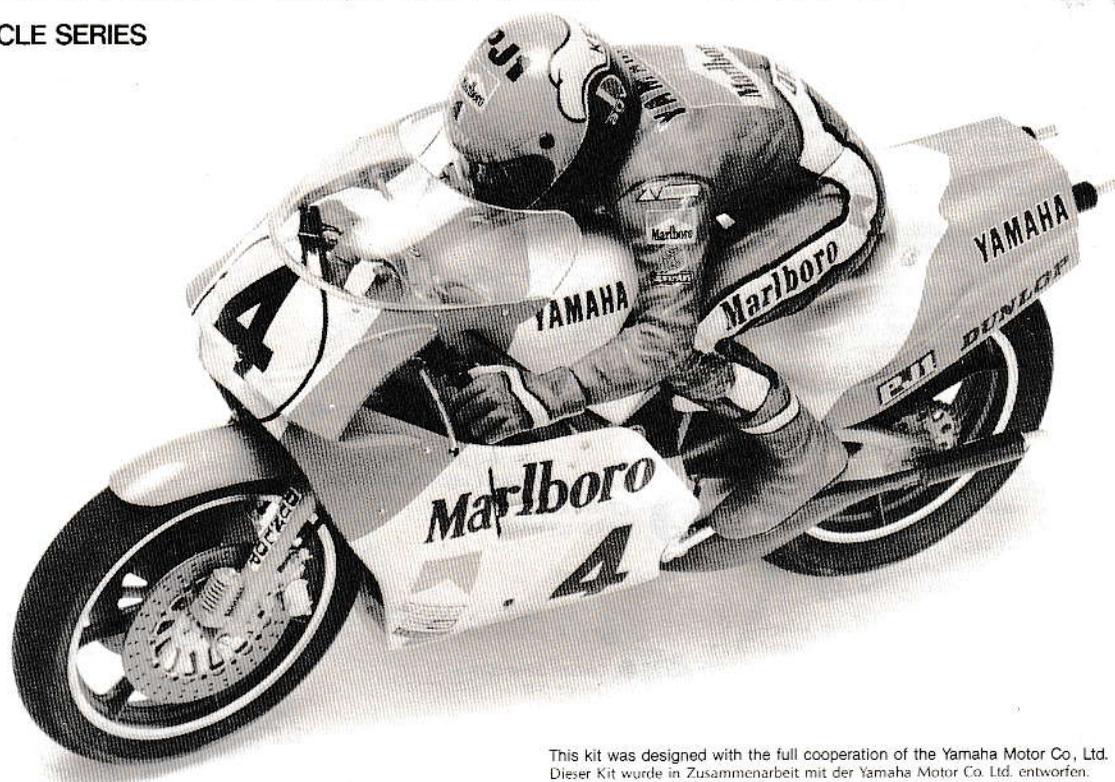


YAMAHA YZR500

with STRAIGHT RUN RIDER (OW70)



1/12 MOTORCYCLE SERIES



This kit was designed with the full cooperation of the Yamaha Motor Co., Ltd. Dieser Kit wurde in Zusammenarbeit mit der Yamaha Motor Co. Ltd. entworfen.

When we speak of "Combat", it is generally thought of as soldiers marching off to do battle, but such is not always the case. For motorcycle enthusiasts, the 500cc Grand Prix championships of 1983 will always be talked about as the combat between Freddie Spencer and Kenny Roberts. During this 12 race season both fought head to head, each winning six times, each placing 2nd three times and each winning the pole position six times. At the end of the final race of the season, Roberts took the flag for the win, but Spencer won the overall championships by a margin of only two points. Kenny Roberts rode for the Yamaha Works team, using the YZR500 and Freddie Spencer rode for the Honda group using the superlative NS500.

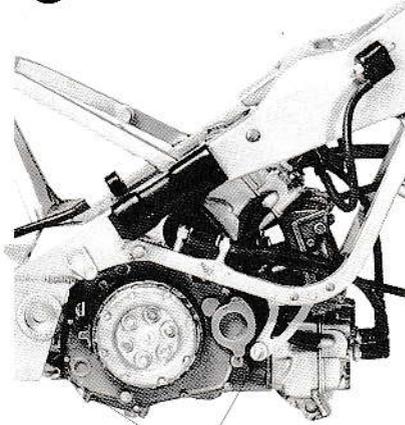
Although each of these machines differ greatly, the basic design concept was the same. Light weight, low center of gravity, two stroke water cooled engines, etc., and although the Yamaha YZR500 appears to be larger than the Honda, the wheel bases are the same. The Yamaha YZR500 (OW70) driven by Rob 1.061079 season, has many unique features. The engine is a 40 degree "V" 4 cylinder unit that uses two valves per cylinder. The engine is placed into the frame with the two forward cylinders parallel with the road surface. The (OW70) uses an aluminum semi-monocoque frame of which the steering joint and swing arm pivot points are u-

nique in form. It appears to be heavy but is actually under 8kg and is said to be more convertible to the forthcoming glass fiber type frames predicted for the near future. The coil damping monocross suspension system is placed under the fuel tank, between the frame, and the entire bike weighs in at a low 118kg. During the actual race, the riders are continually moving their bodies from side to side to speed through the curves; however, during the high speed straight running, they lay their body down as low as they can on the tank to streamline themselves for the least wind resistance, thereby adding a little to the top speed of the bike. During the battle between Kenny and Freddie during 1983, and with both of the machines comparable in performance, the straight run position of the riders was done to perfection, and is copied in this model.

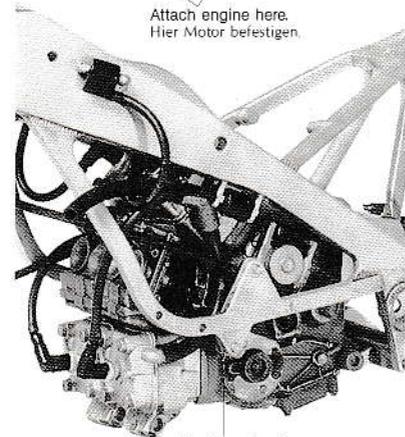
* * *
Den 1983 Grand Prix der 500cc Klasse, wird man immer als "Kampf" zwischen Freddie Spencer und Kenny Roberts bezeichnen. In dieser Saison wurden 12 Rennen gefahren und immer war es Kopf-an-Kopf-Rennen. Spencer und Roberts fuhren jeder in 6 Rennen als Sieger durchs Ziel, dreimal wurde jeder Zweiter, und jeder gewann 6 mal die Pole-Position. Beim letzten Rennen der Saison wurde zwar Roberts Sieger, aber Spencer errang nur mit 2 Punkten die Meisterschaft. Kenny Roberts fuhr im Yamaha Werksteam mit der YZR500,

Freddie Spencer ging in der Honda-Gruppe mit der NS500 an den Start. Obwohl beide Maschinen sich ganz gewaltig unterscheiden, haben beide doch das gleiche Grundkonzept: Geringes Gewicht, niedrigen Schwerpunkt, 2-Takter Motor mit Wasserkühlung etc. Die Yamaha YZR500 scheint grösser als die Honda zu sein, aber der Radstand von beiden Maschinen ist gleich. Roberts Yamaha YZR500 (OW70) der letzten Saison, hatte einige ungewöhnliche Ausführungen: Der "V"-Motor hat 40 Grad und vier Zylinder, ist wassergekühlt, hat zwei Kurbelwellen und der Motor ist so eingebaut, dass die zwei vorderen Zylinder parallel zur Strasse liegen. Der selbsttragende Rahmen ist aus Aluminium, die Verbindung mit dem Vorderrad und der hintere Schwingarm sind einmalig in der Form, der gesamte Rahmen erscheint schwer, ist jedoch sehr leicht und das Gewicht liegt - unter 8 Kilo. Die Schraubenfederung liegt unter dem Benzin-Tank zwischen dem Rahmen, das Gesamtgewicht der Maschine ist nur 118 Kilo. Während des Rennen legen sich die Fahrer ständig in die Kurven, auf den geraden Strecken müssen sie sich aber so flach als möglich auf den Tank legen, um durch die Stromlinie, so wenig als möglich Luftwiderstand zu geben und noch etwas mehr aus der Maschine rauszuholen. 1983, im Kampf Kenny's und Freddie's um die Meisterschaft, hatten beide Maschinen so ziemlich die gleiche Leistung, die Haltung der Fahrer auf den Geraden war super und ist in diesem Modell genau kopiert.

5 ATTACHED ENGINE EINGEBAUTER MOTOR



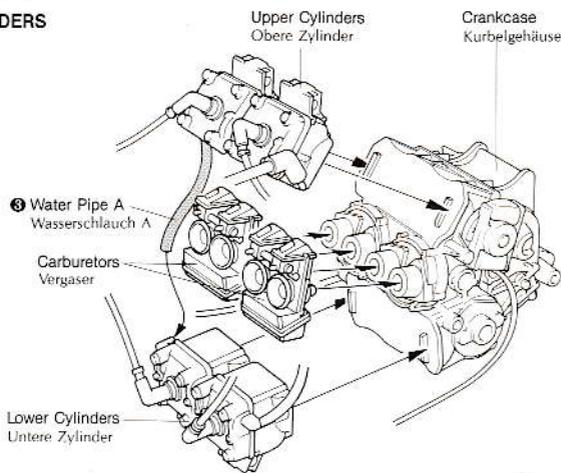
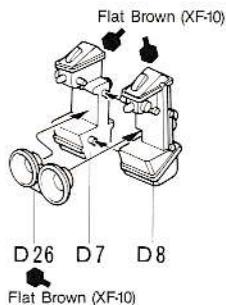
Attach engine here.
Hier Motor befestigen.



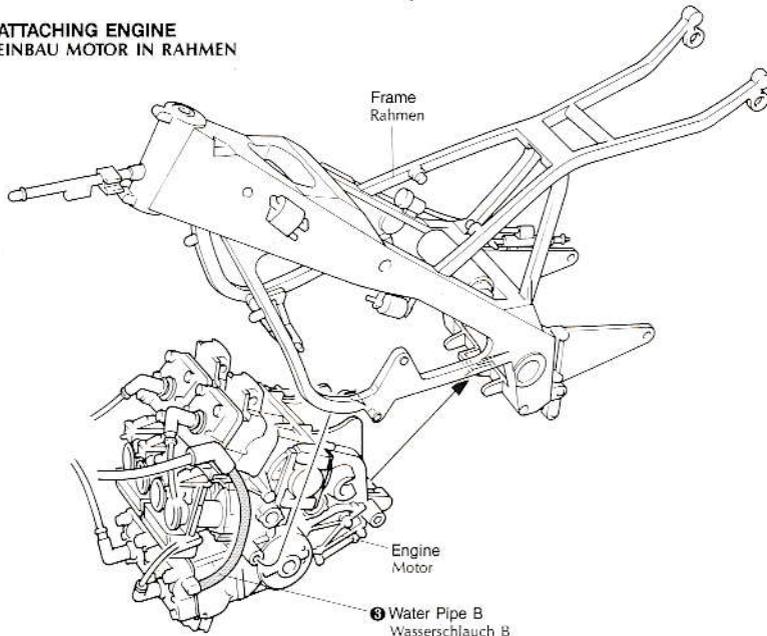
Attach engine here.
Hier Motor befestigen.

4 ATTACHING CYLINDERS ZYLINDER EINBAU

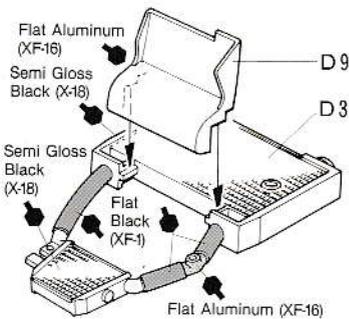
«Carburetors» Make 2 sets.
«Vergaser» 2 Satz machen.



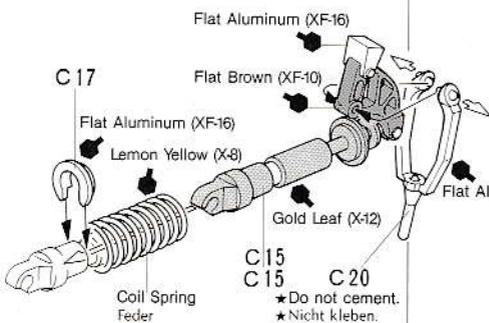
5 ATTACHING ENGINE EINBAU MOTOR IN RAHMEN



6 RADIATOR KÜHLER

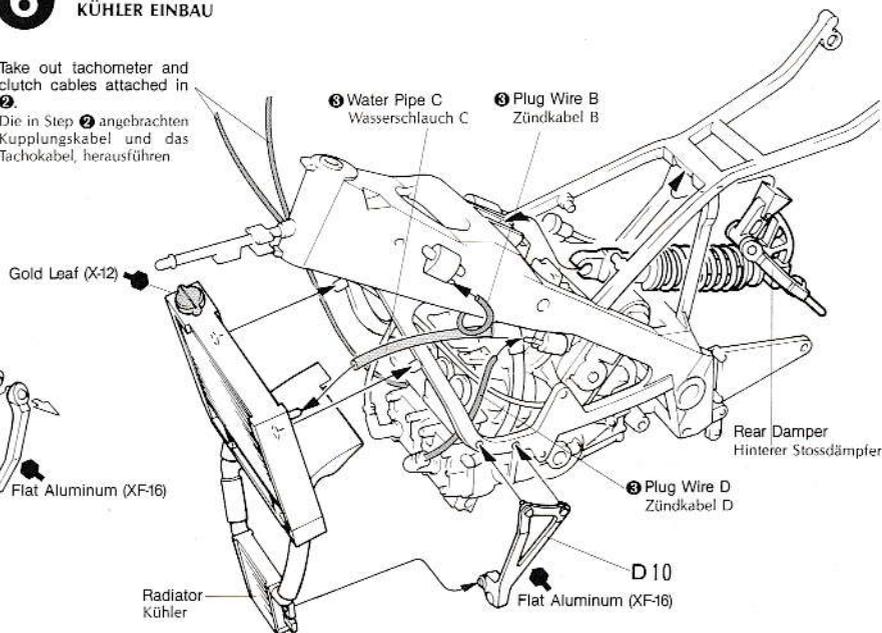


REAR DAMPER HINTERER STOSSDÄMPFER

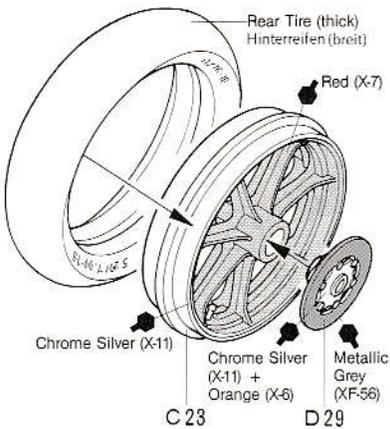


6 ATTACHING RADIATOR KÜHLER EINBAU

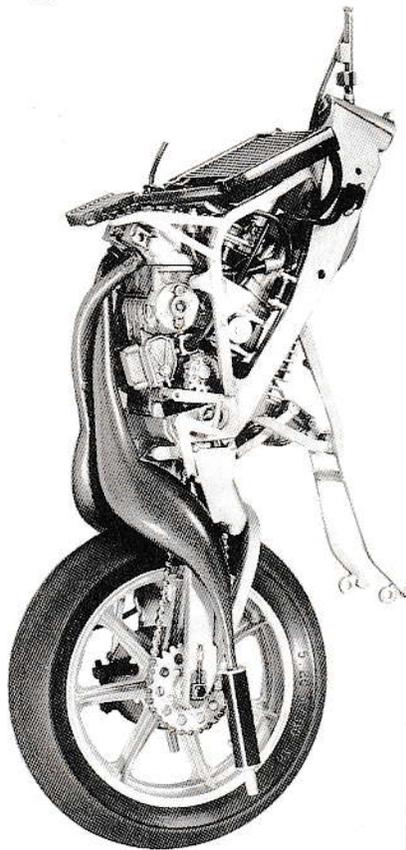
Take out tachometer and clutch cables attached in 2.
Die in Step 2 angebrachten Kupplungskabel und das Tachokabel, herausführen



7 REAR WHEEL HINTERRAD



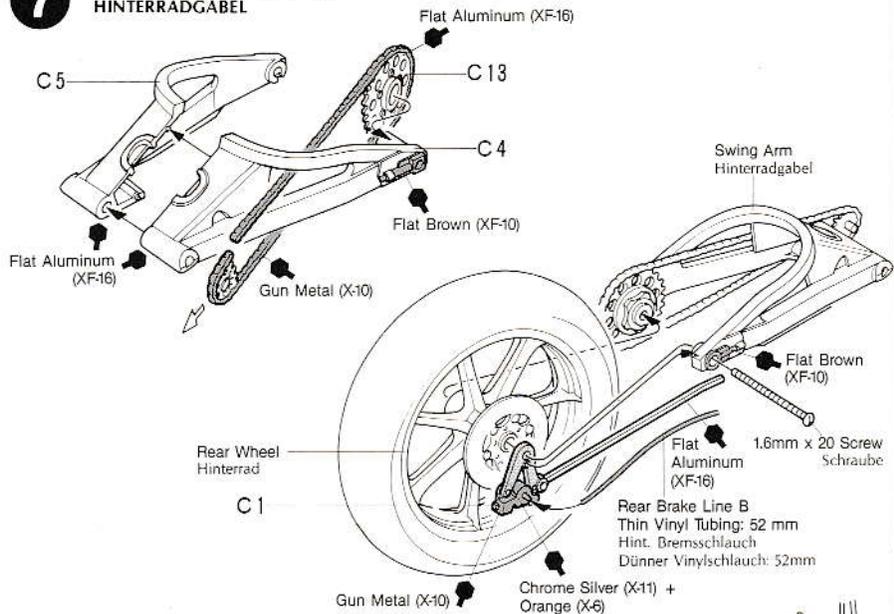
8 LOWER EXHAUST PIPES UNTERE AUSPUFFROHRE



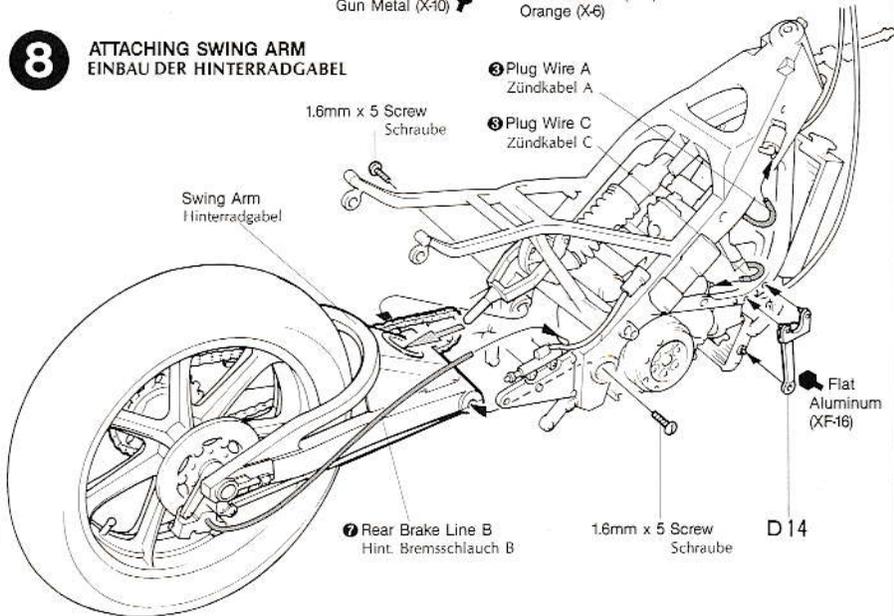
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This is a two part, clay like putty. When kneaded together it can be formed into any required shape. Curing begins in about one hour and is completely cured in 12 hours. It can be worked with a modeling knife and sanded to final shape upon curing.

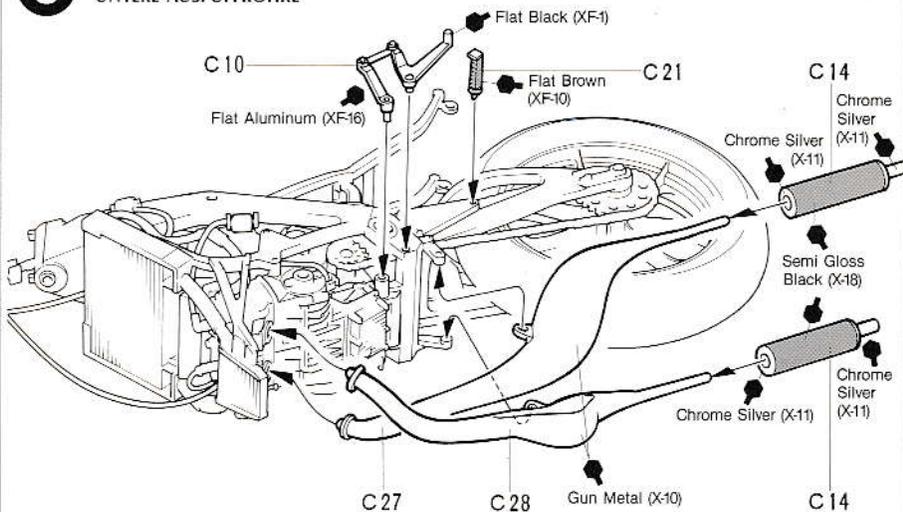
7 ASSEMBLY OF SWING ARM HINTERRADGABEL



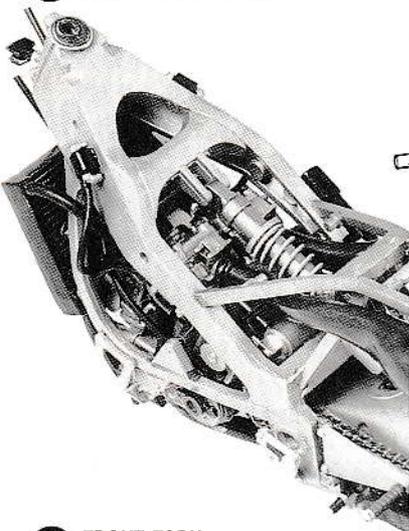
8 ATTACHING SWING ARM EINBAU DER HINTERRADGABEL



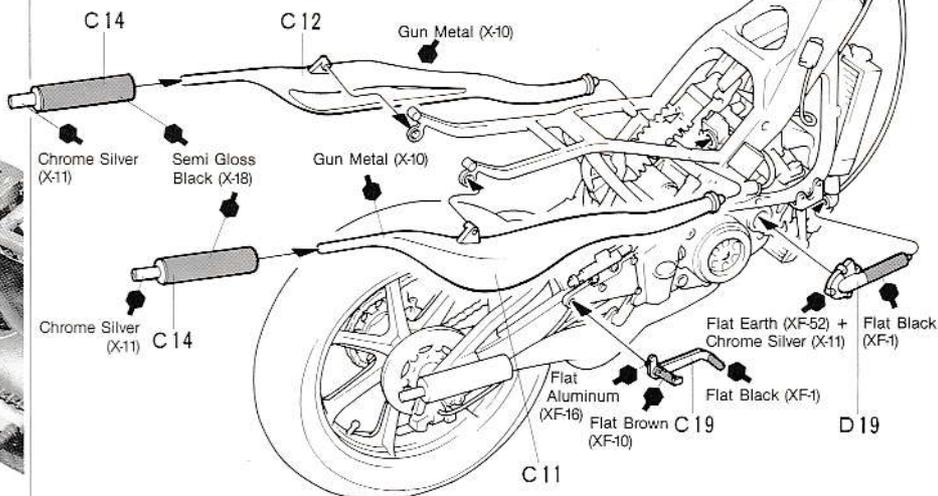
9 ATTACHING LOWER EXHAUST PIPES UNTERE AUSPUFFROHRE



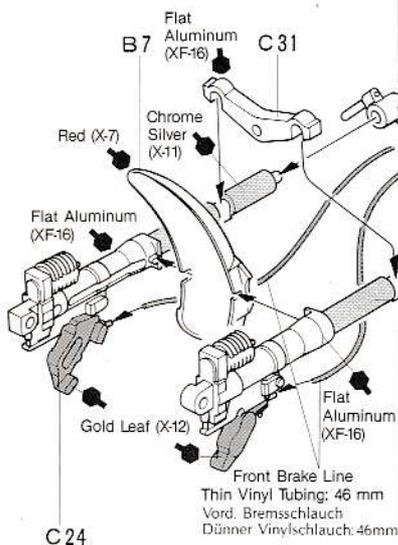
10 UPPER EXHAUST PIPES
OBERE AUSPUFFROHRE



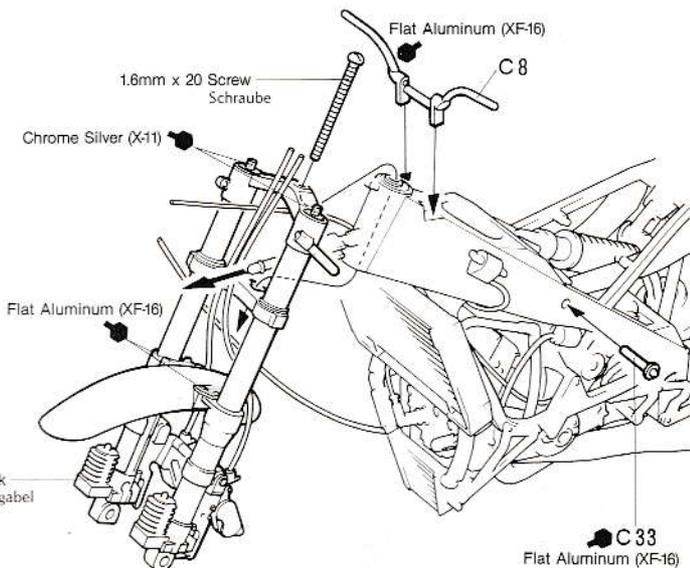
10 ATTACHING UPPER EXHAUST PIPES
OBERE AUSPUFFROHRE



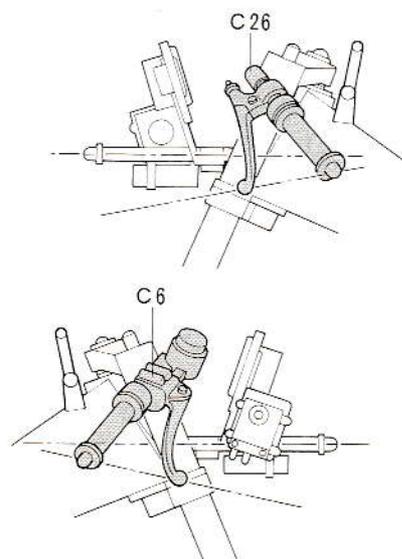
11 FRONT FORK
VORDERRADGABEL



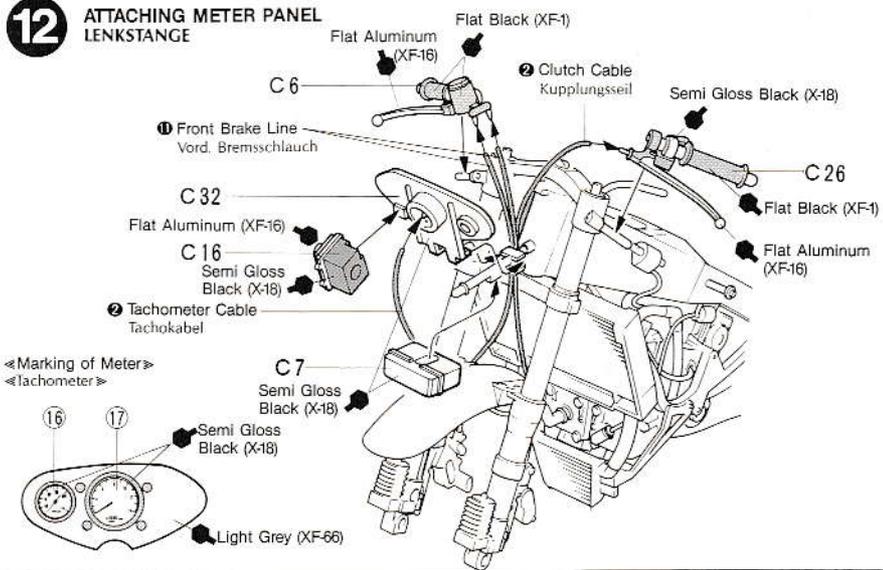
11 ATTACHING FRONT FORK
VORDERRADGABEL EINBAU



12 HANDLE BAR
LENKSTANGE

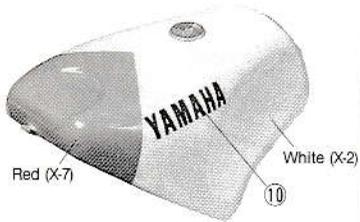


12 ATTACHING METER PANEL
LENKSTANGE

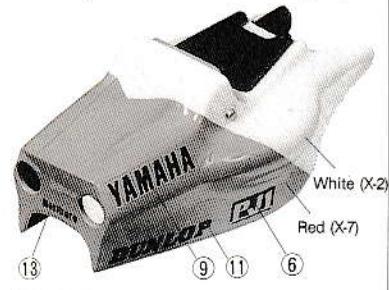


13 MARKING OF FUEL TANK BESCHRIFTUNG DES TANKS

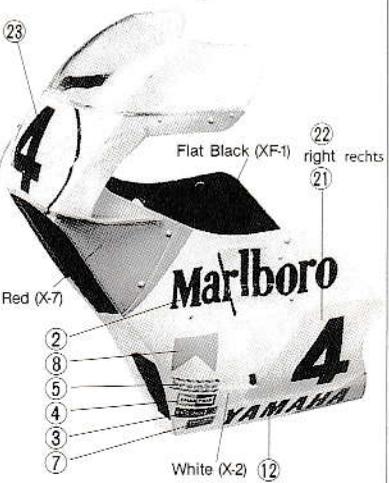
Painting guide during construction shows the machine of Kenny Roberts. Refer to a separate sheet for Tadahiko Taira.
Die Malanleitung in den einzelnen Baustufen ist für die Maschine von Kenny Roberts. Tadahiko Taira siehe Extra-Blatt.



**MARKING OF SEAT COWL
MARKIERUNG DER SITZVERKLEIDUNG**
★ Marking on cowl varies according to race. Photo shows markings of San Marino G.P.
★ Die Beschriftung der Verkleidung unterscheidet sich je nach Rennen. Im Photo wird die Beschriftung im Grand Prix von San Marino gezeigt.

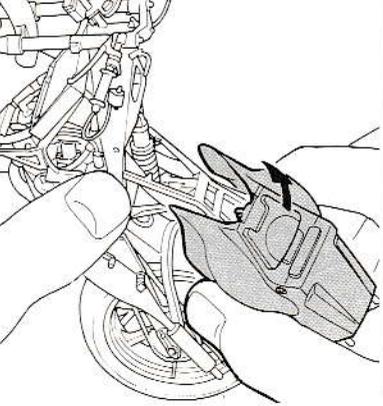


14 MARKING OF COWL MARKIERUNG DER VERKLEIDUNG

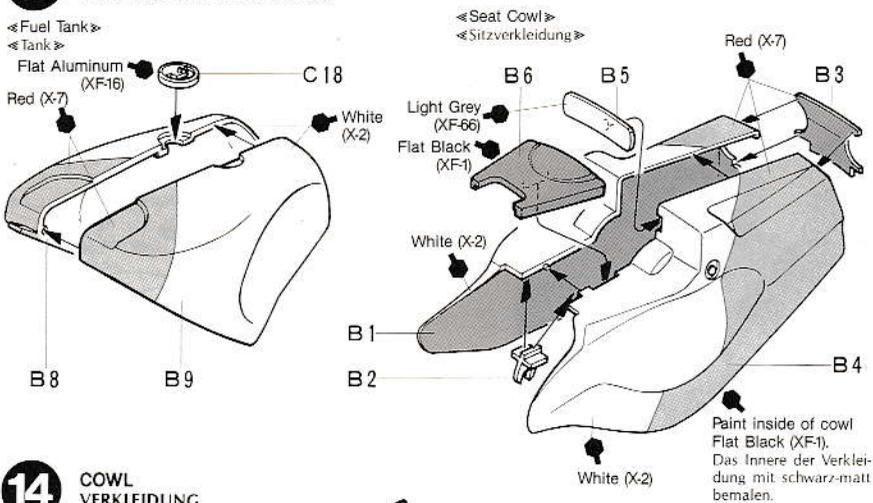


15 ATTACHING SEAT COWL EINBAU DER SITZVERKLEIDUNG

★ Attach as shown below.
★ Verkleidung wie gezeigt einsetzen.

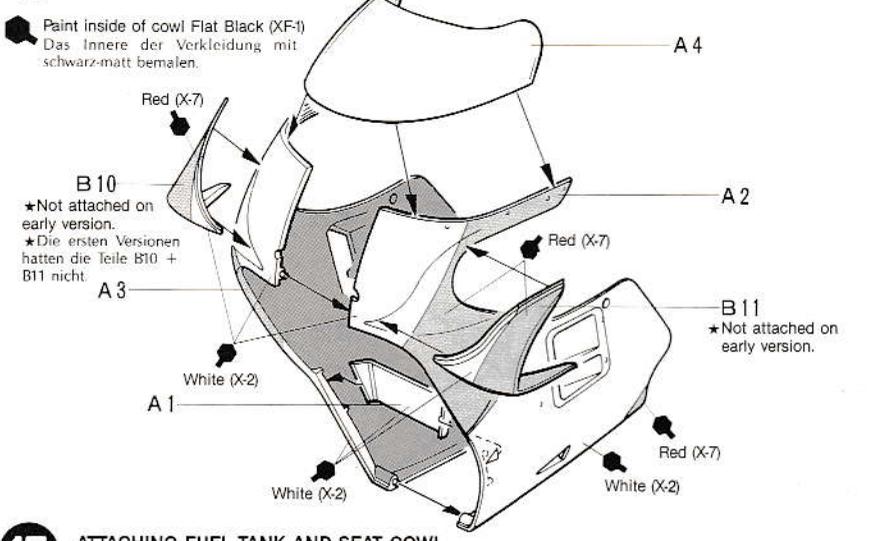


13 FUEL TANK AND SEAT COWL TANK UND SITZVERKLEIDUNG



Paint inside of cowl Flat Black (XF-1).
Das Innere der Verkleidung mit schwarz-matt bemalen.

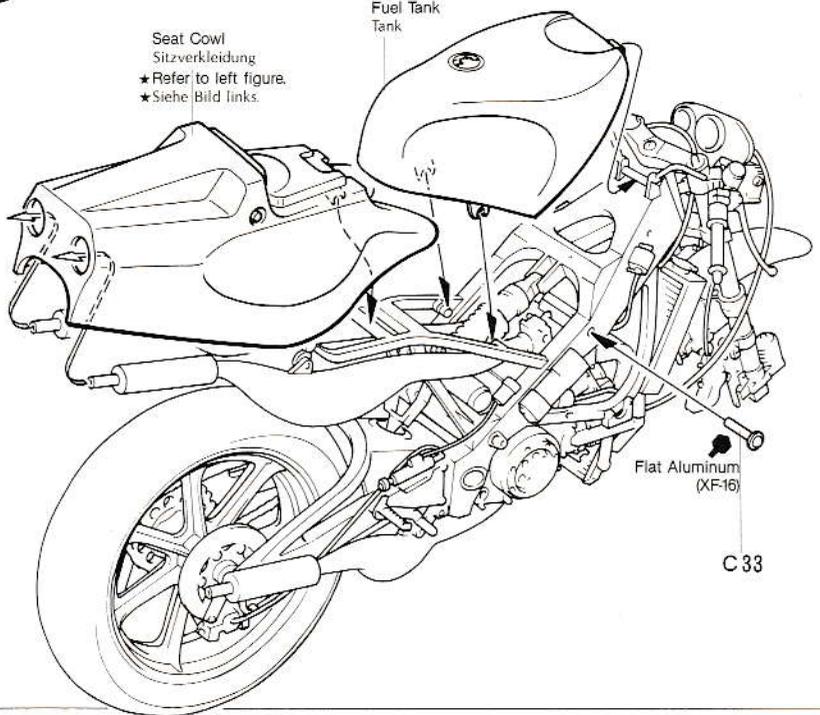
14 COWL VERKLEIDUNG



★ Not attached on early version.
★ Die ersten Versionen hatten die Teile B10 + B11 nicht.

★ Not attached on early version.

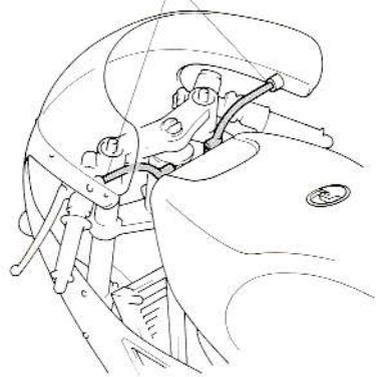
15 ATTACHING FUEL TANK AND SEAT COWL EINBAU DER TANK UND SITZVERKLEIDUNG



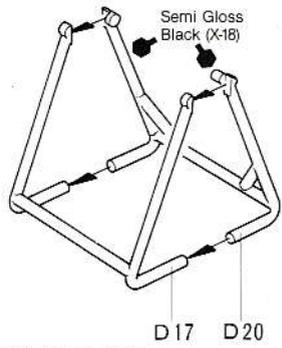
★ Refer to left figure.
★ Siehe Bild links.

**16 COWL
VERKLEIDUNG**

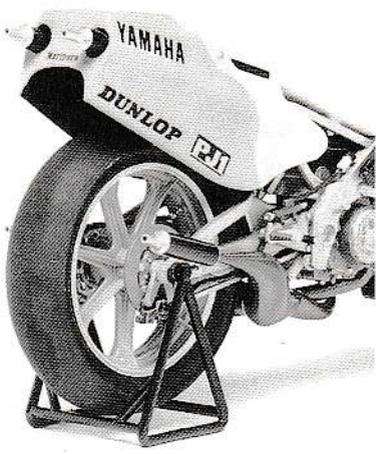
Attach to C8 (attached in 1).
Verkleidung an C8 (Step 1) anbringen.



**18 STAND
STÄNDER**



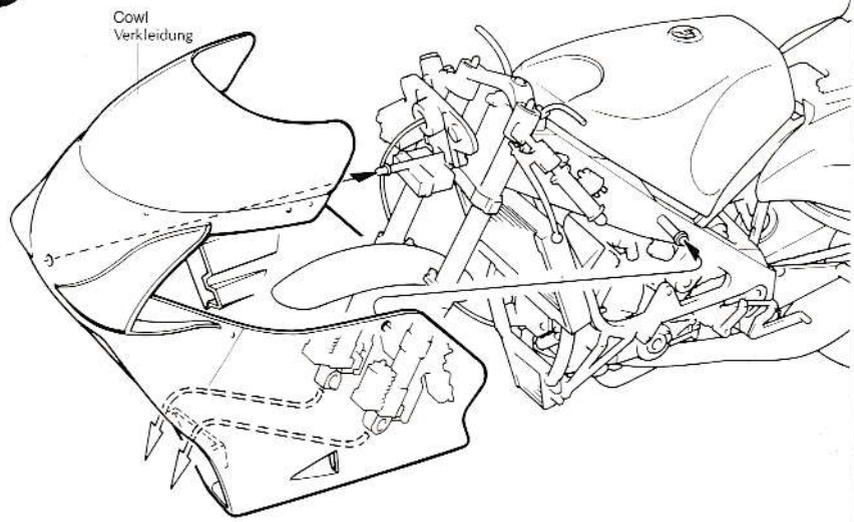
HOW TO USE STAND
WIE STÄNDER EINSETZEN?



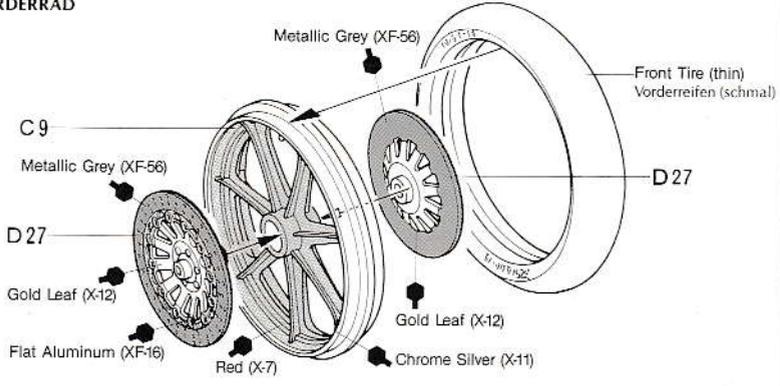
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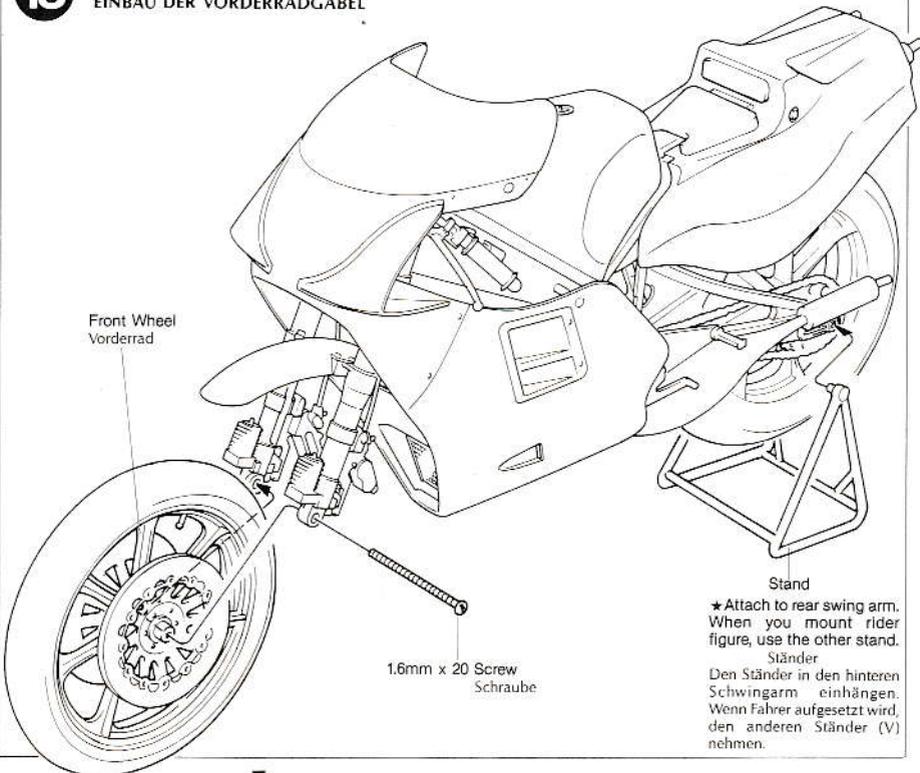
**16 ATTACHING COWL
VERKLEIDUNG EINBAU**



**17 FRONT WHEEL
VORDERRAD**

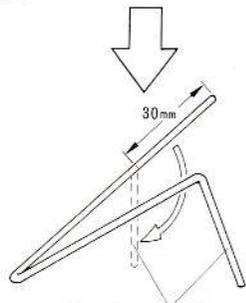
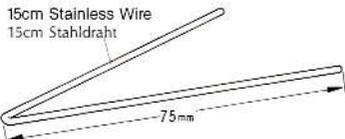


**18 ATTACHING FRONT WHEEL
EINBAU DER VORDERRADGABEL**



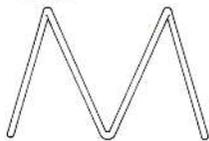
Stand
★ Attach to rear swing arm. When you mount rider figure, use the other stand.
Ständer
Den Ständer in den hinteren Schwingarm einhängen. Wenn Fahrer aufgesetzt wird, den anderen Ständer (V) nehmen.

21 ASSEMBLY OF STAND BAU DES STÄNDERS



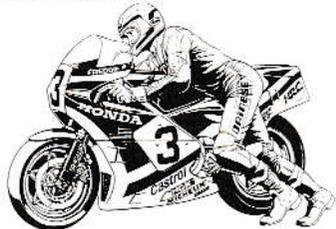
- ★ Spread to a "V" shape as shown.
- ★ "V"-förmig biegen.

FRONT VIEW
VORDERANSICHT



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1/12 HONDA NS500 with
STARTING RIDER



1/12 KENNY ROBERTS & YAMAHA
YZR500 G.P. RACER

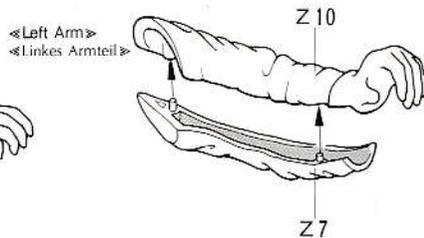
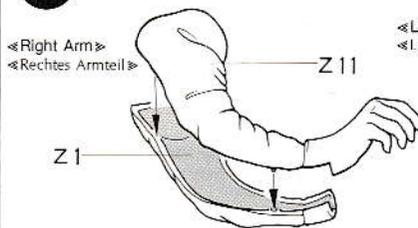


1/12 KAWASAKI GPZ400R

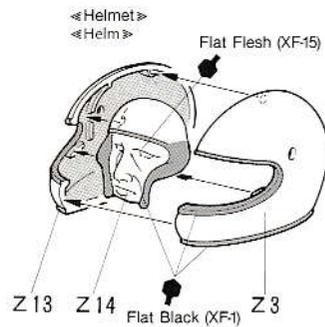


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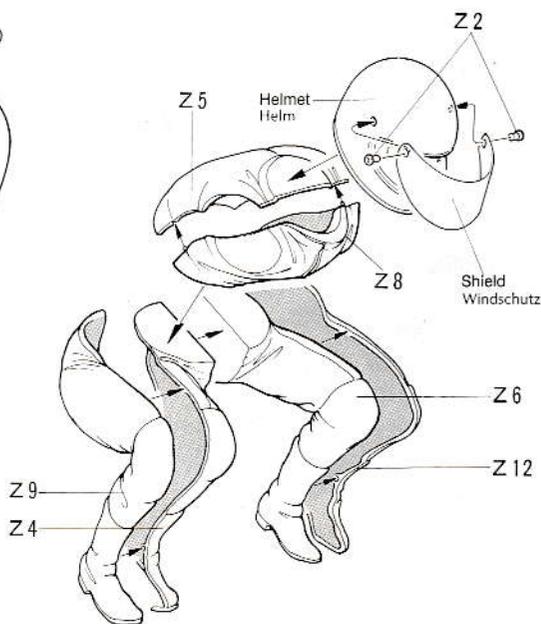
19 ASSEMBLY OF ARMS ZUSAMMENBAU DER ARMEILE



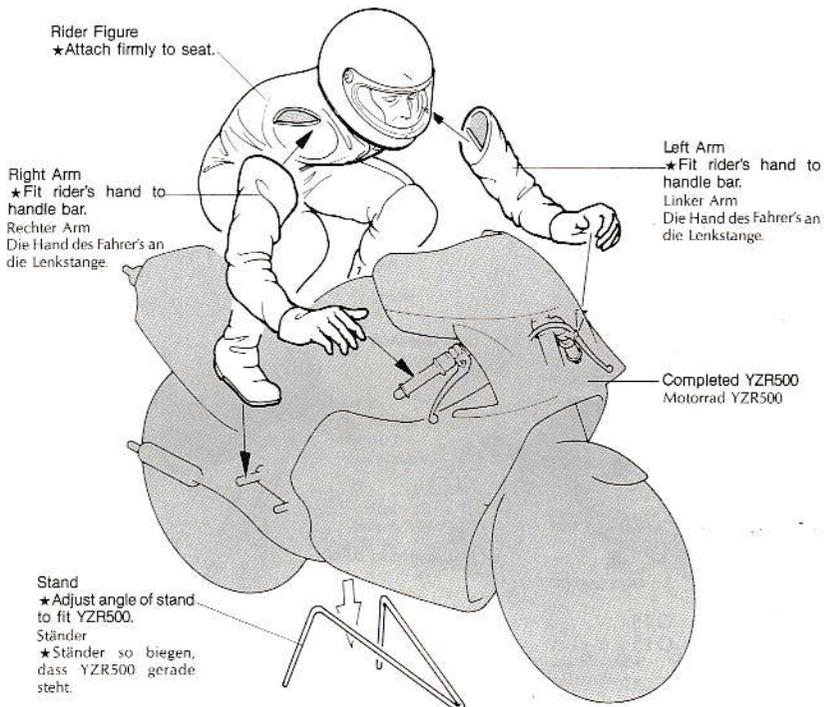
20 ASSEMBLY OF RIDER FIGURE FAHRERFIGUR



Refer to a separate sheet for
painting rider figure.



21 ATTACHING RIDER FIGURE FAHRERFIGUR AUF SATTEL SETZEN



PAINTING

PAINTING OF YZR500 (OW70)

The Yamaha YZR500 (OW70) used by the Marlboro Yamaha Team in 1983 was painted in the Marlboro colors of white and fluorescent red. And rider wore a racing suit of red and white matching the machine. Detail painting is called out during construction and should be done at that time.

BEMALUNG DER YZR500 (OW70)

Die Yamaha YZR des Marlboro Team 1983 war in den bekannten Marlboro-Farben: weiss mit leuchtend-rot. Der Fahrer hatte einen Rennanzug in den gleichen Farben. Bemalung von Details ist in den einzelnen Bau-stufen angegeben und sollte je nach Step-ort gemacht werden.

COLORS REQUIRED:

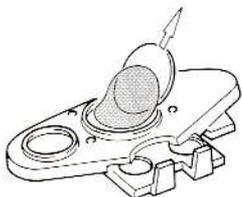
FOLGENDE FARBEN WERDEN BENÖTIGT:

★From Tamiya Acrylic Paints

Black	X-1
White	X-2
Orange	X-6
Red	X-7
Lemon Yellow	X-8
Gun Metal	X-10
Semi Gloss Black	X-18
Flat Black	XF-1
Flat White	XF-2
Flat Red	XF-7
Flat Brown	XF-10
Flat Flesh	XF-15
Flat Aluminum	XF-16
Flat Earth	XF-52
Metallic Grey	XF-56
Light Grey	XF-66
★From Tamiya Paint Markers	
Chrome Silver	X-11
Gold Leaf	X-12

DECAL APPLICATION

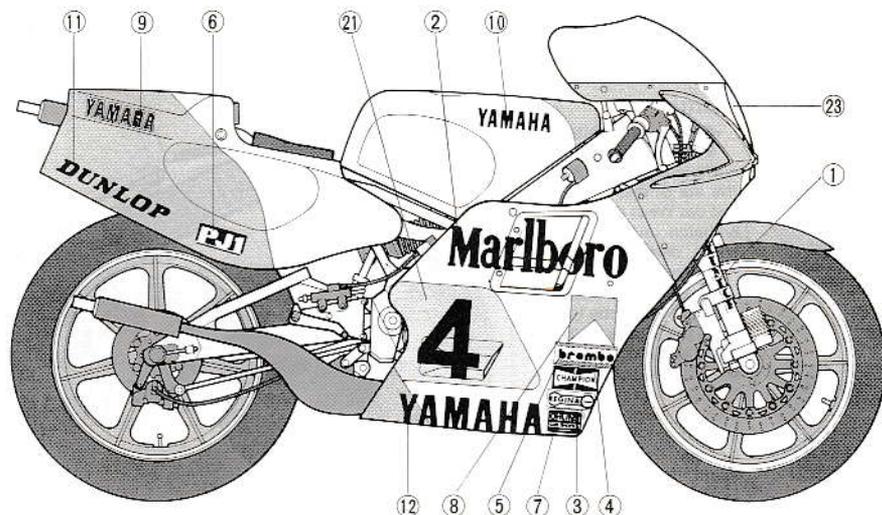
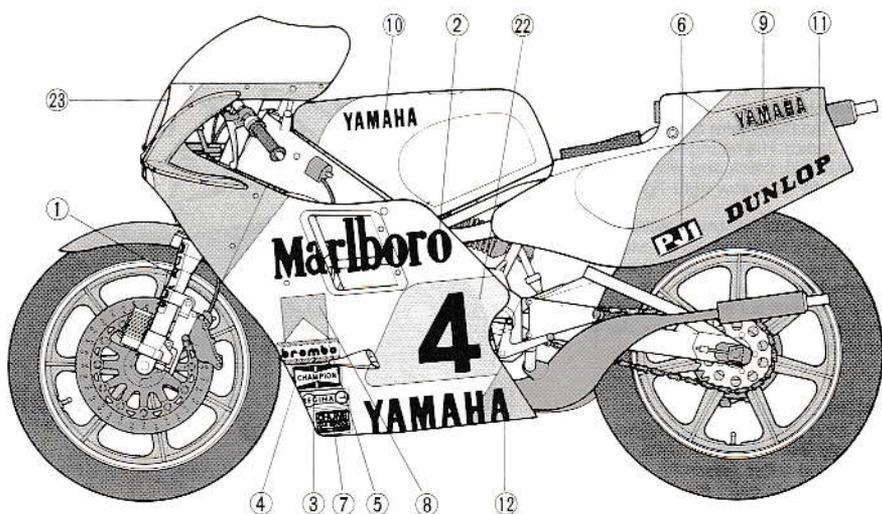
- (1) Remove all dust, dirt and adhesive smears with a wet cloth before applying any decals.
- (2) The decal to be applied should be removed beforehand from the decal sheet. Cut off translucent film along colored parts.
- (3) Dip the decal in tepid water for about 10 seconds and then remove it to a clean cloth. Be careful of over immersion to avoid loss of decal's adhesive.
- (4) Hold the backing sheet edge and slide the decal onto the model.



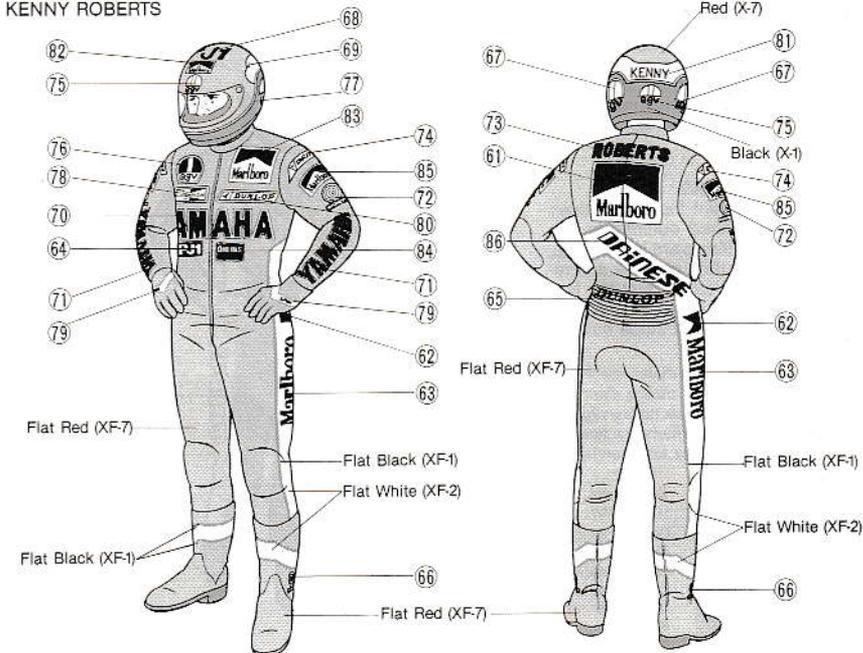
- (5) Wet the decal with a little water on your finger so that it can be moved more easily into position.
- (6) Press the decal down gently with a clean soft cloth to remove air bubbles and until all excess water has been fully absorbed. When a decal has to be applied to a surface which is uneven or curved, press the decal down with a hot towel so that the decal will fit the contours perfectly. Cut off the excess transparent portion around each decal. The decal must then not be touched until dry.

MARKING OF YAMAHA YZR500 (OW70)

San Marino G.P. in 1983, Rider: Kenny Roberts



KENNY ROBERTS



PAINTING

PAINTING OF YAMAHA WORKS TEAM

YZR500 (OW70) won the 1983 500cc class championship in Japan, and was painted in the Yamaha Works Colors. Red and dark blue stripes are painted on a white base. Front fender is in bright red and front and rear wheels in gold.

In 1983, Tadahiko Taira became the champion in Japan. His racing suit was painted 3 color of red, black and white. Helmet is same. Refer to below right figures.

BEMALUNG DES YAMAHA WERK-TEAMS

Die YZR500 (OW70) gewann die Meisterschaft 1983 in Japan der 500cc Klasse. Die Maschine hatte die Yamaha Werks-Farben: Rote und dunkelblaue Streifen auf weissem Grund, das vordere Schutzblech ist glänzend rot, das Vorder- und Hinterrad goldfarben.

PAINTING OF RIDER

Paint face and inside of helmet before assembly. Trim shape of arms, body and helmet and after assembly temporarily body and arms, paint them.

BEMALUNG DER FAHRERFIGUR

Gesicht und Helm-Innenseite vor Zusammenbauen bemalen. Erst Arme, Körper und Helm zusammenkleben, dann die ganze Figur bemalen.

PAINTING OF FACE

BEMALUNG DES GESICHTES



1 Paint the white of eye and let dry completely. Then draw the iris of eye.
Erst das Weiss der Augen bemalen und trocknen lassen, dann die Iris der Augen zeichnen.



2 Paint flesh color. At the same time form the shape of eye. Then add a white point of light in iris of the eye.
Nun das Gesicht mit flesh (fleischfarben) bemalen und den Augen die richtige Form geben. Dann einen weissen Lichtpunkt auf die Iris setzen.



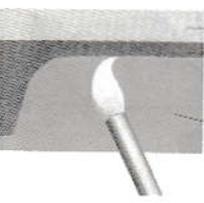
3 Blend in the shading and add facial expression by using dark and light toning such as a woman uses her makeup.
Nun auf das Gesicht Licht und Schatten mit hell und dunkel bringen.

PAINTING OF LEATHERS

It is not difficult to paint the narrow lines when using the method outlined below. Paint the base color, then paint in the stripe, wider than required, then go back and re-paint the base color leaving just the fine stripe. Be sure to let the base coat dry completely before applying the stripe color.

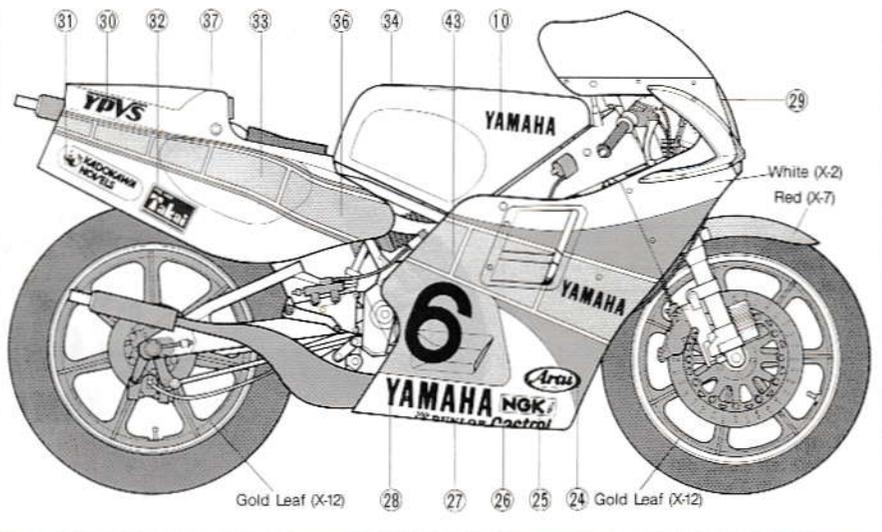
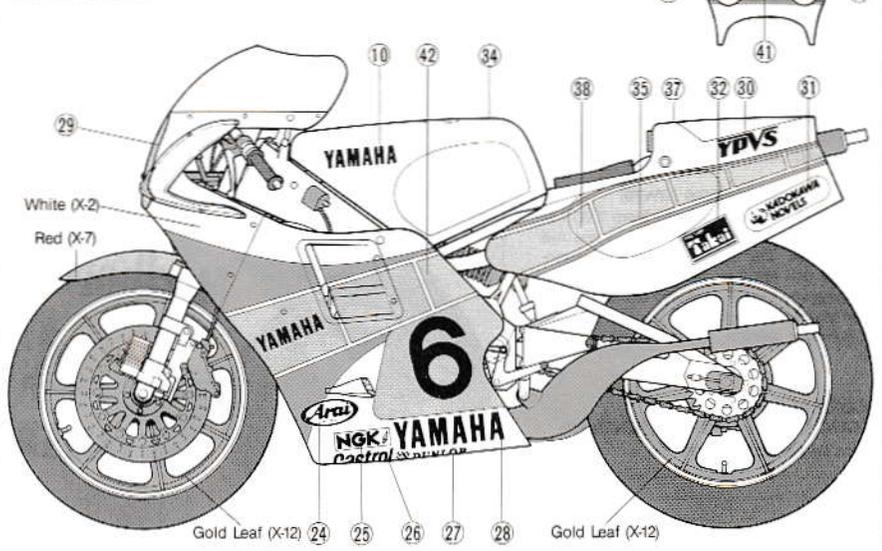
BEMALUNG FÜR LEDER

Schmale Linien sind leicht zu malen, siehe Bild unten. Erst die Grundfarbe malen, dann die Streifen ziehen, etwas breiter als notwendig und dann nochmals mit der Grundfarbe nachmalen. Aber erst die Grundfarbe ganz trocknen lassen.



Base Color Grundfarbe
Color of Stripe Farbe des Streifen
Leave a narrow line by painting base color or next color of stripe.
Mit Grundfarbe oder Zusatzfarbe den Streifen abgrenzen.

MARKING OF YAMAHA YZR500 (OW70) TADAHIKO TAIRA



TADAHIKO TAIRA

