



- I N S T R U C T I O N M A N U A L -

code 0333001

Seriennummer autot motor 1089



THIS CAR IS A TECHNOLOGICALLY ADVANCED PRODUCT, AND OBVIOUSLY THE SUBSEQUENT EXPERIENCE AND EXPERIMENTS CARRIED OUT BY OUR CUSTOMERS ARE INDISPENSABLE AND DECISIVE TO IMPROVE THE CAR'S PERFORMANCE.

WE ARE AVAILABLE TO EXAMINE ANY PROBLEM YOU MAY HAVE AND WE WILL TREAT YOUR SUGGESTIONS AS EXTREMELY PRECIOUS FOR MAKING OUR PRODUCT REALLY PERFECT, HELPED BY YOUR ENTHUSIASM AND COOPERATION AS OUR TEST DRIVERS.

W A R N I N G S

THE "BLU 2" MODEL IS VERY EASY AND SAFE TO USE, BUT DUE TO ITS CONSIDERABLE WEIGHT AND DIMENSIONS, WE SUGGEST IT SHOULD BE USED BY MODELLERS WHO ARE ALREADY PRACTISED IN DRIVING AND INSTALLATION OF RADIO SYSTEMS. IF YOU ARE A NOVICE AS TO R.C. CAR MODELS, WE RECOMMEND YOU SHOULD START YOUR EXPERIENCE WITH THE HELP OF A SKILLED DRIVER.

WE ADVISE AGAINST THE USE OF THE MODEL BY CHILDREN, WITHOUT SURVEY AND CONTROL OF AN ADULT.

THE MODEL IS EXTREMELY EASY TO HANDLE AND PERFECTLY BRAKED, BUT IF YOU ARE NOT ON A RACE TRACK, ALWAYS CHOOSE WIDE SPACES FOR YOUR AMUSEMENT AND TAKE CARE THAT CURIOUS ONLOOKERS DO NOT COME AND WATCH YOUR EVOLUTION.

V E R Y I M P O R T A N T

CHECK THE GOOD OPERATION OF YOUR RADIO SYSTEM ACCURATELY, FIRSTLY WITH TURNED OFF ENGINE AND UP TO A 100 METER DISTANCE, AND THEN WITH RUNNING ENGINE.

USE ONLY RESISTOR SPARK PLUGS LIKE THE ONE SUPPLIED WITH THE MODEL.

START THE ENGINE ONLY WITH SWITCHED ON AND OPERATING RADIO SYSTEM.



- ADVICE BEFORE STARTING THE ASSEMBLY -

THIS MODEL MUST BE ASSEMBLED USING SIMPLE TOOLS AS HEREUNDER DESCRIBED:

- SCREWDRIVERS
- SET OF WRENCHES, SIZE 5,5 mm to 13 mm
- SET OF ALLEN WRENCHES
- PLIERS
- PLASTIC Mallet
- PLIERS FOR SEEGER OUTER RINGS
- FILES FOR EVENTUAL FINISHING WORKS
- ENGINE LUBRICATING OIL
- UNIVERSAL MINERAL GREASE
- THREAD LOCK LIQUID
- BENCH VICE (NOT INDISPENSABLE BUT USEFUL)

Prepare the assembly work with all the above mentioned tools available and certain number of small boxes useful for placing the components which you take from the packing envelopes.

The assembly is not difficult, however remember that an accurate work will reward you with the model operation free from inconveniences.

Be particularly careful in the use of the thread lock liquid, which is extremely useful. In fact, we remind you that the model is stressed by considerable vibrations and it is COMPULSORY to use the thread lock liquid on all the screws fitted on rotating components, whereas it is not necessary on screws of non rotating components.

Do not lubricate too much, the bearing are pre-lubricated and in any case, excessive oil and grease inevitably mean excessive dirt accumulated during the operation.

Start the work by assembling the fundamental subassemblies.



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SUBASSEMBLY A1 - FRONT WHEEL HUB

quantity: no. 2 pieces

USE THE PACKINGS 1

push down the bigger part of the ball by means of a strong mallet blow as indicated in the figure.

pipe to be used as support

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SUBASSEMBLY A2 - REAR WHEEL HUB

quantity: no. 2 pieces

USE THE PACKINGS 20

push down the bigger part of the ball by means of a strong mallet blow as indicated in the figure

pipe to be used as support

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SUBASSEMBLY A3 - HYDRAULIC REAR SHOCK ABSORBER

quantity: no. 2 pieces

USE THE PACKINGS 19

- lubricate the O-RING before the assembly
- pre-assemble the group, except for the parts 0202047 and 0202049
- keep the shock absorber vertically with the rod out and fill it with mineral oil up to the upper part of the thread.
Push the piston upwards very slowly and then bring it downwards again, until air bubbles have come out.
Repeat this operation several times for complete bleeding, then restore the oil level again, which must be levelled with the part 0202049 to be fit together with the part 0202047.

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SUGGESTED OIL

Mineral oil for engines in the various viscosity degrees:

SAE 15 - 20 for low temperatures

SAE 40 - 50 for average temperatures

SAE 90 - 120 for high temperatures

NOTE: from the side of the outer rod, between the part 0202049 and the part 0202061 introduce 14 washers, taking care of assembling them with concavity as shown by the drawing.

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SUBASSEMBLY A4 - HYDRAULIC FRONT SHOCK ABSORBER

quantity: no. 1 piece

USE THE PACKING 6

FOLLOW THE ASSEMBLY INSTRUCTIONS OF THE SUBASSEMBLY A3.

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SUBASSEMBLY A5 - SERVOSAVER

quantity: no. 1 piece

USE THE PACKING 7

INTRODUCE THE PARTS 9911009 USING A VICE OR A PLASTIC Mallet. ALSO REFER TO THE FIGURES 8 - 9.

DO NOT LUBRICATE THE PARTS.

Ref.: page 9

SUBASSEMBLY A6 - DIFFERENTIAL

USE THE PACKING 22

- Previously lubricate the four bushes 10x19x5 with mineral oil.

- It is very important to use the thread lock liquid for the four screws M5x5 which key the bevel gears on the parts 0202036. The mentioned screws must be clamped very tightly.



- Before closing the half boxes 0202065 and 0202064, lubricate the bevel gears with grease.
- Using a drop of instant glue, fix the plastic caps which close the holes on the half boxes.

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PREPARATION OF THE SUSPENSIONS' SUPPORTS

Introduce the threaded inserts into the main supports of the suspensions, as shown by the figure 8 or 9.

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ASSEMBLY OF THE SUPPORTS ON THE FRAME LOWER PLATE

USE THE PACKING 3

Fix the supports using the screws M6x12

FRONT PART

REAR PART

Ref.: page 12

ASSEMBLY OF THE FRONT SUSPENSIONS

USE THE PACKING 5

Introduce the cam 0202131 into the seat of two long wishbones as shown by the figure 12.

Assemble the lower wishbones with the spiral springs 0202068, the pins 0202130 and the anti-roll bar 0202153.

The anti-roll bar must be previously mounted on the two pins. Such pins must then be introduced contemporarily into relevant holes of the supports 0202005 and then through the wishbones, the spacers 0202128 and the spiral springs 0202068.

At the end of the anti-roll bar, two pieces of plastic pipe must be fitted before the total introduction into the housing indicated by the asterisk.

Refer to the figure 13.



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Complete then the front suspension using the parts of the packing 4, the arms 0202107 contained in the packing 6 and the subassemblies A1.

See figures 14 and 15.

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Assemble the monoshock absorber as indicated in the figures 16 and 17.

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ASSEMBLY OF THE REAR SUSPENSION

The rear suspension must be assembled like the front suspension. On the contrary, however, it does not mount spiral springs but helical springs, coaxial to the shock absorbers.

Use the parts contained in the packings 18 - 19 - 21 - 23.

Refer to the figures 18 and 19.

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ASSEMBLY OF THE SERVOSAVER

Fix the servosaver subassembly A5 to the lower plate of the frame using the screws M5x12 of the packing 7.

Mount the tank to the lower plate of the frame using the parts of the packing 15. See figure 21.

It may be necessary to fold the fins of the metallic support, in order to obtain the proper height of the tank.

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ASSEMBLY OF THE SECONDARY TRANSMISSION AND THE BRAKE

Use the parts contained in the packing 16
See figure 22

Introduce the threaded inserts according to the procedure shown by the figure 8 or 9.



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ASSEMBLY OF THE CHAIN

Mount the 72-link chain between the pinion and the differential. Take particular care in the assembly of the joint link. Follow the procedure shown in the figure 23.

The improper assembly direction of the fly spring will cause the chain release. Should the chain be too tight during the first assembly, then this drawback could be solved by introducing a thickness washer under the shaft support, as indicated by the arrow in the figure 22. We recommend to avoid excessive lubrication of the chain. After a few hours operation, the chain will get loose and it will be possibly to tighten it again by removing the thickness washer.

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ASSEMBLY OF THE PRIMARY TRANSMISSION

USE THE PARTS CONTAINED IN THE PACKING 8

Lubricate with grease before introducing into the clutch bell.

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ASSEMBLY OF THE ENGINE

USE THE PARTS CONTAINED IN THE PACKING 13

Fix the engine to the lower plate of the frame by setting the washers Ø 5x15 between the plate and the engine feet.

Earth connection

Stop push-button

NOTE: as to the engine characteristics and the instructions for use, refer to the specific manual inside the engine box.

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If the cable out of the ignition coil is earthed on any metallic part of the engine, it stops the engine. Therefore, mount the push-button supplied in the relevant hole indicated by the arrow on the figure 27. Then, weld the cable end to a connection of the push-button. At the other connection of the push-button, you must weld the cable contained in the packing, whose end must be fixed by means of wire terminal and screw M5x10 (from the inside of the cooling carter) to the hole indicated by the arrow "EARTH CONNECTION".



This work must be prepared previously, but the fan carter must not be mounted yet. In fact, it is first necessary to assemble the longitudinal bars and the upper plates.

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ASSEMBLY OF THE UPPER PLATES AND THE LONGITUDINAL BARS

Ref.: page 23

First of all, mount the plates A and B using the screws VTSEI M6x12 contained in the packing 3, then mount the longitudinal bars. The screws M5x20 will be used to fix the engine to the short longitudinal members

Refer to the figures 28 - 29.

Then mount the engine cooling case.

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ASSEMBLY OF THE REAR SHOCK ABSORBERS

ASSEMBLY OF THE CHAIN TENSION ROD AND THE DISC BRAKE LIMITERS

Ref.: page 25

Take the parts from the packing 16

ASSEMBLY OF THE REAR BUMPER

Refer to the figure 31

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ASSEMBLY OF THE CONTROLS

USE THE PARTS OF THE PACKING 14

The assembly of the controls depends on the type of servo control used.

In order to have an example, refer to the figure 35.



As you will note, one single servo control is used to control the carburettor opening and the brake operation.

Adjust the controls in such a way that, with the radio on and trim on neutral position, the butterfly valve of the carburettor is surely at rest when closed and the brake is perfectly free.

Both controls must work, with inverse action each other, as soon as the radio stick will be moved. For instance, with brake control, the gas control linkage will move freely and the brake linkage will push and cause the braking.

With the reverse motion, the brake linkage will move freely and the accelerator one will push, thus opening the butterfly valve.

Ref.: page 27

ASSEMBLY OF THE BATTERY SUPPORTS

USE THE PARTS CONTAINED IN THE PACKING 9

Mount the support pins of the battery pack on the front plate, as indicated in the figure 36.

The battery pack must be suspended elastically by means of rubber rings.

For the power supply of the receiver and servo controls, we suggest the use of the following battery pack: code 55061340 - 5 cells 1200mAh - 6V.

