

# NSR CLUB

# Formula

## TECHNICAL RULES



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# TECHNICAL RULES - NSR FORMULA

(versione 1.1 - 2020)

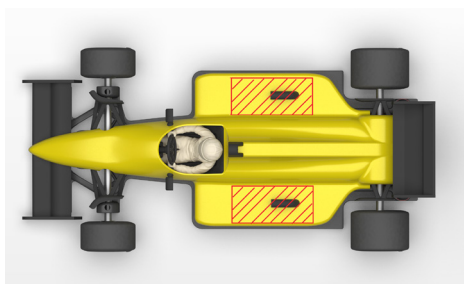
## 1. Allowed models

### 1.1 NSR Formula 86/89



## 2. Body

- 2.1 It must be original in all its parts and can not be modified
- 2.2 If the white kit is used, the body must be completely repainted,
- 2.3 At the beginning the body must be complete in all its parts
- 2.4 There must be 3 race numbers on the body
- 2.5 It must be fixed to the chassis by 2 screws, the lugs can be reinforced with non-metallic materials
- 2.6 At the end of the race, they may not be present the rear view mirrors.
- 2.7 CAN NOT be lightened or modified compared to the original
- 2.8 In case of loss the rear or front wings, they have to be replaced in maximum 3 laps, otherwise the driver will take a penalty of 3 laps.
- 2.9 **MINIMUM WEIGHT: 11g**  
In case of ballasting the body, the weight should be placed in the delimited zone.



## 3. Chassis

- 3.1 All hardness are allowed for each model:

1608	Soft	Blue
1609	Medium	Black
1610	Hard	White
1611	Extra Hard	Green



- 3.2 It is mandatory to write the name of the driver on the chassis.

## 4. Motor support

- 4.1 Motor support allowed are original 1283 (red extrahard) – and 1281 (medium black).



- 1283 Formula 86/89 inline motor support xhard red
- 1288 Formula 86/89 inline motor support medium black

- 4.2 The motor support can be fixed to the chassis by 3 or 5 screws, placed as the driver prefer.



## 5. Suspensions

5.1 Suspension are allowed:



- 1216 Soft suspension kit for Formula motor support
- 1217 Medium suspension kit for Formula motor support
- 1218 Hard suspension kit for Formula motor support



- 1297 Soft spring
- 1298 Medium spring
- 1299 Hard spring



## 6. Axles and bearings

- 6.1 Original axles ref. 4802 and/or 4866
- 6.2 Original bushing ref 4803 or RACING bushings 2.5mm cod 4868

It is possible to glue the bushings to the motor support.



- 6.3 It is allowed to use spacers on front or rear axle
- 6.4 It is allowed to use NSA ultralight stopper cod 4860



## 7. Motor

7.1 **King 21 EVO/3** long can 21.500 rpm, (purple label), provided from race direction.



- 7.2 Can be fixed to the motor support only with NSR 4851 screws.
- 7.3 Must be mounted with the red point to the left (see photo)



## 8. Transmission

8.1 All NSR Inline crown are allowed, both bronze or aluminium hub.



8.2 Pinion 10 teeth are allowed: original code 7010 or racing (lighter) 6810



## 9. Wheels

- 9.1 Original front wheels 5020 fixed to the axle by screw.



- 9.2 Allowed rear wheels: original 5021 (13x10) - racing larger 5022 (13x13) - racing larger and drilled 5026 (13x13)

5021 (13x10)



5022 (13x13)



5026 (13x13 drilled)



- 9.3 Wheel hubcaps are required (NSR Formula) and can be glued to the wheels.

- 5441 White
- 5440 Black
- 5442 Gold
- 5443 Red



- 9.4 In case of loss of the hubcap, it must be replaced into 3 laps, otherwise driver will get a penalty of 3 laps.

## 10. Front tires

- 10.1 NSR recognizable front tires (5290 16x8 – 5291 17x10 – 5283 18x10)
- 10.2 It is allowed to glue and true the tyres on the rims.
- 10.3 They must completely cover the tire.
- 10.4 CAN NOT be covered with material or additives that modify its adhesion to the floor (glue, paint and the like, for example).
- 10.5 Minimum diameter 16.00mm



## 11. Rear Tyres

- 11.1 New Racing low profile 19.5x13 rear tires ready to run, provided by the organization (code 5265).



## 12. General measures

- 12.1 Maximum front and rear width of 66 mm.

**Everything  
not specified is  
NOT ALLOWED!**

## 13. Guide

- 13.1 All NSR guides are allowed:  
4841 - 4842 - 4843 - 4844 - 4845.



- 13.2 NSR spacers are allowed between the chassis and the pickup to better adjust the attitude at the bottom of some types of tracks.

Pick-up guide spacer brass



- 13.3 It is allowed to thin the blade
- 13.4 Allowed flat head screw NSR 4857

## 14. Cables

- 14.1 Original NSR ref 4824. Can not be modified.
- 14.2 Although they can pass under the axle, they can not interfere with it, which will have to turn freely.
- 14.3 Can be attached to the chassis with adhesive tape or glue.
- 14.4 It is suggested to put the cables as in picture, using the flat head screw 4857.



## 15. Braids

- 15.1 NSR 4822 (Copper braids) – 4849 (Tin plated braids), fixed to the guide as original position with original eyelets ref 4821.
- 15.2 They can not be glued to the guide or to the cables.

## 16. Screws

- 16.1 NSR 4836 - 4837 - 4839 - 4869 metric screws allowed in body and motor support.
- 16.2 It is allowed to leave them loose to facilitate the movement of the body.



- 16.3 Allow screws EASY SET UP NSR 4834 for the body.



## 17. Magnet

- 17.1 Forbidden

