

# NSR CLUB

***FORMULA 86/89***

**TECHNICAL RULES**



# TECHNICAL RULES - NSR FORMULA

(version 2.0 - 2025 - Rear Tire Update sec 11.1)

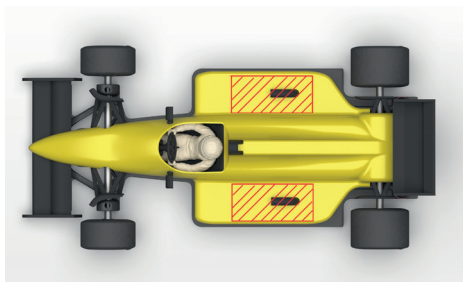
## 1. Allowed models

### 1.1 NSR Formula 86/89



## 2. Body

- 2.1 It must be original in all its parts and can not be modified. It is allowed to use NSR flexible parts code 1519 and 1520.
- 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
- 1281 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

It is allowed to use 4872 racing axle.

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 NSR 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 EVO3 gears are allowed.

| SOFT PLASTIC GEARS | TEETH | ALUMINUM    |
|--------------------|-------|-------------|
|                    | 24    | 6324AL-EVO3 |
|                    | 25    | 6325AL-EVO3 |
|                    | 26    | 6326AL-EVO3 |
|                    | 27    | 6327AL-EVO3 |

8.2 Only standard EVO3 pinion 10t is allowed



7010EVO3

## 9. Wheels

- 9.1 Original front wheels 5020 fixed to the by screw. Allowed ultralight plastic wheels code 5025.



- 9.2 Allowed rear wheels: original 5021 (13x10) - racing larger 5022 (13x13) - racing larger and drilled 5026 (13x13) - racing NO AIR system 5027 (13x10)

5021  
(13x10)



5022  
(13x13)



5026  
(13x13 drilled)



5027  
(13x10)



- 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 Low profile rear tires 19.5x13 new **ZERO GRAINING** compound supplied by the organization (**cod. 5294Z**).



## 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 - 4843 - 4844 - 4845 - 4859.

4841



4845



4843



4844



4857



4859



- 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



4818  
005"/0.12mm



4819  
010"/0.25mm



4820  
020"/0.50mm

- 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 Allowed NSR metric screws code 4834-4836- 4839-4869 and standard 4833 for both motor support and body.  
16.2 It is allowed to leave them loose to facilitate the movement of the body.



## 17. Magnet

- 17.1 Forbidden

