

# NSR

PROFESSIONAL SLOT CARS

## C6.R V C7.R



## CORVETTE CUP

TECHNICAL RULES

12 - 15 OCTOBER 2023

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# TECHNICAL RULES - NSR Corvette C6R/C7R (SS version 1.3 - 2023)

## 1. Allowed Models

### 1.1 Corvette C6R - Corvette C7R

Corvette C6R



Corvette C7R



## 2. Body

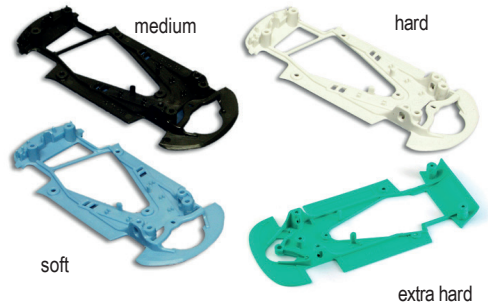
- 2.1 Must be original in all its parts and can not be modified including side mirrors
- 2.2 If the white kit is used, the body must be completely painted, clear windows & lenses must be fitted
- 2.3 There must be three (3) race numbers on the body (bonnet, driver & passenger sides)
- 2.4 Must be fixed to the chassis by all bodyscrews, the body posts can be reinforced (sleeved) with but without modifying the height and without excessive material
- 2.5 At the beginning of race, the body must be complete (with all its parts)
- 2.6 Can be very lightly shaved to avoid chassis rub, but can't be lightened or modified
- 2.7 Additional rear wing support can be used by way of blue tac or 'hot' glue (cannot be excessive use of materials)
- 2.8 Minimum Weight: Corvette C6R 19.0g

Corvette C7R 20.0g

2.9 Should the the rear wing dislodge, it must be refitted before the start of your next heat, failure will result in a 5 lap penalty for each segment raced without it.

## 3. Chassis

3.1 All chassis types are allowed for both models



Corvette C6R	1454/1397	Soft	Blue
	1453/1398	Medium	Black
	1455/1399	Hard	White
	1487	Extra Hard	Green
Corvette C7R	1493	Soft	Blue
	1490	Medium	Black
	1492	Hard	White
	1494	Extra Hard	Green

3.2 It is mandatory to write the name of the driver under the chassis

## 4. Motor Support

4.1 Motor support allowed are

1259 Triangular Anglewriter motor support extra hard red



1257 Triangular Anglewriter motor support medium black



4.2 Motor support cannot be modified in any way

4.3 Only the original cups are allowed (of any colour) ref. 1202, to secure the motor support to the chassis, unless using suspension kit, refer to 5.1

4.4 Only the original drop arm is allowed



It can be free to go up and down or fixed with a screw

## 5. Suspensions

5.1 Suspensions are allowed:



1208 Complete spring set - Soft - Medium - Hard

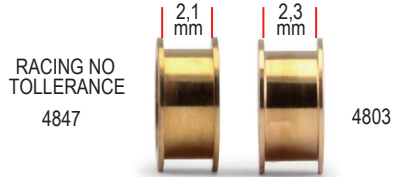
Magnet suspensions are not permitted

## 6. Axle and Bushings

6.1 Original axles ref. 4802, drilled axles ref 4872 are permitted on both front and rear

6.2 Original bushings 4803 or Racing "No tolerance" 4847

Gluing the bushings to the motor support is permitted



6.3 NSR brass or plastic spacers are permitted on front or rear axle permitted

6.4 NSR stopper 4860 is allowed on the rear axle



6.5 NSR Offset marshal will be used to check offset

## 7. Motor

7.1 King 19 long can 19,500rpm,(orange label ref 3031) will be supplied by NSR



7.2 It must be attached to the motor support with NSR 4851 screws, (gluing or bracing of any form not permitted)

7.3 It must be mounted with the red dot on the left



## 8. Gears

8.1 Anglewinder spur gears mentioned below are permitted

Aluminium Ø 16.8mm -

6528, 6529, 6530, 6531, 6532, 6533, 6534

28 29 30 31 32 33 34



Plastic Ø 16.8mm -

6626, 6627, 6628, 6629, 6630, 6631, 6632, 6633

26 27 28 29 30 31 32 33



8.2 Any NSR pinion is permitted, both plastic or brass

Brass 7.5mm 7112 7113 7114 7115



Plastic 7.5mm 7312 7313 7314 7315



## 9. Wheels

9.1 Original 5003 front wheels fixed to the axle by hex screw, You are permitted to use NSR ultralight plastic front wheels code 5024



Ø 17x8mm 5003

Ø 17X8mm 5024

9.2 Original rear wheels 5004 air system or 5003 (no air system) fixed to the axle by screw



Ø 17x10mm 5004

9.3 Wheel inserts are required and is recommended to be glued to the wheel

Ø 17mm BBS



5422  
White

5424  
Black

5426  
Silver

5427  
Gold

Ø 17mm 12 Spoke



5428  
Black

5429  
Blue

5430  
Silver

5431  
White

5432  
Red

9.4 If the wheel insert(s) dislodge, they must be refitted within a maximum 5 laps failure will result in a 5 lap penalty for each segment raced without them.

## 10. Front Tyres

10.1 NSR front tyres;

5200-16x8, 5201-17x8, 5226-18x8, 5202-19x10

10.2 Gluing and truing the tyres is permitted, chamfering is permitted (no greater than 1/2 of tyre width)

10.3 Tyre must completely cover the wheel

10.4 Cannot be covered with materials or additives that modify its traction to the track (e.g.: glue, nail polish etc)

10.5 Minimum outer diameter 17.9mm

## 11. Rear Tyres

11.1 Slick GT3 19.5x11 rear tyres ready to run, supplied by NSR (code 5258 EVO). One pair per driver

11.2 Minimum diameter 20.0mm



11.3 Will be marked to ensure issued tyres are used

11.4 Tyre cleaning stations and cleaner is provided by Slot Shop

## 12. General Measurements

12.1 Maximum front and rear width of 65mm

## 13. Cables

13.1 Original NSR ref 4824. Can not be modified

13.2 Tape, glue or blue tac can be used to secure to chassis (cannot be excessive amounts)

## 14. Guide

14.1 All NSR guides are allowed:

4841



4842



4843



4844



4845



4859



4857



14.2 NSR spacers are permitted between the chassis and the guide to improve guide contact to the track

Pick-up Guide spacer - brass



4818  
005°/0.12mm

4819  
010°/0.25mm

4820  
020°/0.50mm

14.3 Thining the guide blade is permitted

## 15. Braids

15.1 NSR 4822 (4838) - Copper braid  
NSR 4849 (4850) - Tin plated braid  
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 metric screws allowed in body and motor support



16.2 They may not be fixed until car passes scrutineering

16.3 Tape or blue tac is required over all chassis screws to prevent loose screws onto the track. Failure to comply will incur a 10 lap penalty on each occasion

## 17. Magnet

17.1 Forbidden

## 18. Weight

18.1 Permitted on chassis – no restrictions

18.2 Cannot be placed on underside of chassis

## 19. Light Kit

19.1 Are permitted, not essential - NSR light kits only

19.2 Maximum 2 led at the front and 2 led at the rear

Anything not specified is **NOT PERMITTED**  
If you are unsure...*please* ask! [info@slotshop.com.au](mailto:info@slotshop.com.au)

The final technical check will be made with the technical NSR 4110 OFFSET MARSHALL tool to verify the offset of both rear axle and motor.

In case of "not ok", you will have to change the motor support and/or the chassis and resubmit it for scrutineering

In case of an anomaly, for instance where the chassis and/or motor mount needs to be replaced/remounted, the car must be re-presented to the Scrutineer within and no later than 15 minutes prior to the commencement of the race, failure to do so will result in a 1-lap penalty for each minute over, once cars have passed scrutineering, the cars will remain with the Race Director (parc ferme) at all times, unless in race heat.

