



**Real Motor Racing ... in Miniature**

**CLASSES & REGULATIONS**

**2020-2022**

**[www.edsrc.co.uk](http://www.edsrc.co.uk)**

**THESE BASIC RULES ARE FAIRLY STRAIGHTFORWARD. ANY CAR RACED THAT FALLS OUTSIDE THE R&Rs WILL NOT BE ELIGIBLE FOR POINTS.**

All club members will act in a way that does not reflect badly on the Club, other members or to any visitors.

Marshals are there to ensure the track is kept clear and to put cars back into the appropriate slot(s), they are required to do their job efficiently but remember that they are not the reason you came out. Please respect the marshals.

If you have just raced, you are required to marshal the corner corresponding to the lane colour you have just raced immediately. NB. Blue Marshal moves to Orange corner for succeeding race. There is a two minute interval between races and you should be at your post before the racers are ready. If there is an issue, let someone know!

Coloured lane stickers or tape should be clearly positioned on the bodyshell / windscreen where a marshal can see it. Please do not put the sticker on a part of the car that will be covered by the marshal's hand or where a similar colour is shown on the bodywork. Ideally the windscreen is the correct place as no coloured bodywork is present there!

All cars must run with 1/32 Scale **Hard Bodies**, no Lexan body shells or lightweight 'glass'. Lightweight interiors are allowed unless stated otherwise. No blacked out windows (tints are acceptable!) or one piece "super resistant" cars.

NB. Does not apply in Open Wheel where 'Generic' ranges of Scalextric O/W cars (i.e. 'GP Racer') are acceptable.

Cars in all classes must retain standard bodywork, no flares - no removing half the body height to lower the centre of gravity.

If you are using a replacement bodyshell or complete kit you will need to paint it and ideally decal it.

All cars must start racing (Heat 1) with rear wings in place if they are original equipment. Exceptions to this rule are the Carrera DTM spoilers but only if they are beyond repair, otherwise they must still adhere to the rule.

**Chassis.** For the car it was intended, may be trimmed lightly and run loose to allow body rock. Strengthening and stiffening is necessary (on some models) and is permitted. Please take adequate measures to retain the body screws. No metal chassis allowed. 3D printed chassis are required in DTM and as an option in Rally, only, with approval.

**Body screws.** It is encouraged to use aftermarket body screws to allow better fitment, and movement to the shell whilst keeping the shell firmly attached. A good example is the Slot.it metric screws with a "shoulder" to stop friction. Screws should be securely attached and ideally tape used to retain them in the event they should become detached

**Weight** may be added to the INSIDE (only) of all cars as required. Please ensure the weight is adequately attached.

**Guides** may be substituted in **all** classes except NSR 60s Classic Endurance Cars.

**Motor Choice - Read the specific category regulations below which may stipulate a specific motor be used.** Where no motor is specified provided that the motor you choose is a direct replacement for the one you take out or it will fit using the relevant manufacturer supplied motor adapter and/or Motor mount. Aralditing it to the chassis isn't classed as a motor mount. Motors may be glued into engine mounts, indeed it is highly recommended.

Max 25K rpm @ 12V

**Suspension** where allowed is deemed as springs, magnets or rubber washers.

**Wheels** and tyres must be enclosed within the bodywork except Open Wheel category and should not be visible when the car is viewed from above. Some leniency will be exercised on this ruling where it is known that the standard car does not comply. SCX & Proslot for example.

If a car should lose a wheel / front axle during a race it should be stopped, removed from the track and ideally the wheel / axle replaced so as not to present an obstruction to those racing.

**All cars must start the heat with all four wheels attached.**

**Tyres must be made of rubber** and be standard specification and supplied by recognized Slot Car Manufacturers (Scalextric, Ninco, SCX, Carrera, Slot It, NSR\*, MB Slot etc. etc.)

Please note: Silicon & Urethane Tyres and Traction Goop are banned - they ruin the grip for everyone else! Also note that Scalextric Tyres from their Tuning Range are Silicon!

It is highly recommended that tyres be glued on to improve performance and **MUST** be dry when placed on the track.

\* NSR sell a tyre compound that is coloured bright red. It is unclear whether this tyre compound is rubber or silicon. Due to uncertainty of both material and outright performance over approved tyres, the use of this RED compound is NOT PERMITTED.

### **Braid Conditioner**

This should ideally be used before attending a meeting. If braid conditioner is used on a race night, the **braids must be wiped dry before placing on the track** for both practice and racing. This is due to the solvent content of the conditioner lifting the track braid by dissolving the track tape adhesive.

### **Restarts**

Other than in the event of any breakdown in track power or Timing system failure, a restart will only be countenanced if a lane becomes blocked by debris from another competitor's car – i.e. a body-screw or similar in the slot / in the event of multiple collisions under the bridge on the first lap ...

### **Lane Usage**

In an ideal world we will race on all lane colours. However when numbers dictate only three lanes are used, then the default lanes are Blue, Red and White. This will minimize contact with adjoining lanes to the benefit of both racers and marshals.

Where four lanes are used, to keep things even it would be preferable to omit the centre (Red) lane.

### **Championship Points**

There are three divisions of Drivers, Pro, Pro-Am, & Novice. **(NB. 2016 Regs stated 2 Divisions – Pro & Gentlemen)** but then stated; to score points Pro & Pro Am drivers must run a classified car)

Points will be awarded to all Pro & Pro Am drivers running a classified car 20-19-18-etc regardless of division or the number of runners on the night. Drivers will drop their lowest score in each Category.

**NB. Where a driver misses a round they will score 0 and this will be deemed their 'dropped' score for that category.**

Novice Drivers of less than 12 months 'active' membership whilst encouraged to run the correct car will still score points with an unclassified car that falls into the spirit of fair play. The club has a fleet of suitable "loan cars" – additionally members have historically been more than willing to loan cars etc.

## Categories/Classes:

Note some categories have specific regulations not covered in the general regs above

### **LMP (Prototypes) from 1992 onwards – Class 1**

Anything goes must comply in every respect with general regulations. **Suggested spec:-**

- Slot.It -1mm offset anglewinder mount
- Slot.It Flat6 / Flat6 R / Flat6 S motor. N.B. Flat6 RS is not allowed.
- Slot.it 11z pinion and 30z/28z anglewinder gear.

### **GT Sports Cars from 1997 onwards – Class 1**

Anything goes must comply in every respect with general regulations.

### **Group C Endurance Cars 1983-1993 – Class 1**

Anything goes must comply in every respect with general regulations. **Suggested spec:-**

- Slot.It -1mm offset anglewinder mount
- Slot.It Flat6 / Flat6 R / Flat6 S motor. N.B. Flat6 RS is not allowed.
- Slot.it 11z pinion and 30z/28z anglewinder gear.

### **Club Cars – Class 4**

NSR 500 Abarths provided, prepared and repaired as necessary by the club. Cars will be lane specific and will NOT change lanes between rounds. Cars will remain as per modifications proposed and implemented by Ron Lane. Tyres will be 'cleaned' with tyre restorer after final heat and treated if necessary prior to practice. Thereafter only cleaning will be with tape before each heat. There is no pre-race practice but prior to each heat drivers will be allowed 2 or 3 sighting laps once all cars are on the grid.

### **Racer Group 5 (4<sup>th</sup> Gen 1976-1982) – Class 1**

Racer Sideways cars only, this is only to keep racing as close as possible.

No Suspension, only the original yellow can motor or slot.it "yellow flat 6" motors are allowed. The original adjustable mount may be changed for a more durable and easier to set up slot it 0mm offset mount only.

Guides wheels and tyres are free choice, please be aware that the guides are very good in these cars and don't necessarily need replacing.

No lightweight interiors or windows.

Original gear spec/ratio's to be retained (28z, yellow plastic crown + 11z pinion).

### **DTM Cars from Carrera Range only – Class 1**

**Carrera** DTM body shell with lightweight interior run on 3dShapeways 3D printed Chassis, to run with anglewinder motor mount with free choice flat 6 motor. All Wheels are free choice but NO F1 wheels/tyres. All tyres may be trued down - *The Club supply the (first) chassis and interior.*

### **1960 Classic Endurance Cars from NSR Range – Class 4**

NSR Cars which must remain completely standard. No other manufacturer's cars may be used. For clarification 'Standard' means NSR Shark motor supplied / 32z gear / 11z pinion / Standard guide and run with the correct wheel inserts supplied. Only rear tyre compound is free choice. Tyre width must not exceed original spec – (e.g., the only cars in this range to use 11mm width tyres are the Porsche 917 and Porsche 908, all others are narrower).

**21x10** - NSR5236 Supagrip / NSR5237 Ultragrip – **21x 11** - NSR5241 Supagrip / NSR5242 Ultragrip

### **Historic Road (based) saloon cars circa 1970s – primarily American Muscle Cars – Class 3**

Must run with original wheels / tyres, gears and motor (Mabuchi S can 18,000 rpm), interior/glass.

### **Historic Road (based) saloon cars circa 1970s – primarily American Muscle Cars – Class 1**

Must run with original (Mabuchi S can 18,000 rpm) motor, interior/glass but may substitute specified Slot.it or equivalent Plastic/Metal gears and wheels with grub screws - Original gear spec/ratio's to be retained i.e. Sidewinder - 36T crown + 11T pinion (3.27:1) / Inline - 27T crown + 9T pinion (3.00:1). Wheels will ideally be fitted with appropriate inserts.

#### **Specifications for sidewinder cars:-**

<b>Wheels:</b>	<b>PCS-3215808</b>	Pendle Aluminium 15.8x8x1.5mm
<b>Inserts:</b>	<b>PCS-INS12a&gt;s</b>	Pendle 12mm inserts – suggest 'a' or 'f' but free choice
<b>Tyres:</b>	<b>Scalextric W9808</b>	(4 x rears) or <b>W8543</b> (2 x rear & 2 x front)
<b>Axle:</b>	<b>Slot.it PA01-51</b>	51mm (or equivalent)
<b>Bearings:</b>	<b>Slot.it PA68</b>	Bronze Bushes (Scalextric / Carrera) or equivalent
<b>Spur Gear:</b>	<b>Slot.it GS1936</b>	Sidewinder 36z or equivalent
<b>Pinion Gear:</b>	<b>Slot.it P167110</b>	Sidewinder 11z 6.75mm or equivalent

It was decided that results would be as per finishing order irrespective of whether car is Class 1 or Class 3

### **Open Wheeled Racing Cars – Class 1**

Any open wheel car - **All cars run with the correct width axles (As manufactured)**. Tubing the front axle is allowed. Must comply with general regulations.

### **Rally – Class 1**

**Cars represented by a manufacturer** that have been represented in WRC (1997-2020), GpN (1982-2012), GpB (1982-1986), & Gp4 (1973-1983). These groups represent the top level of rallying in the last 45 years, below is definitive list, if it is not there it can't run.

All cars fitted with a motor pod must use the Slot.It 21.5k Orange can motor, inline configuration only. Other cars with one piece chassis fitted with short can motors can run with a free choice motor rated at no more than 20k @12v

Ninco cars only: May run with a standard long can motor (or free choice alternative Long Can motor, subject to a 20k RPM @ 12 volt limit).

It has been noted that Scalextric, SCX Ninco & Fly produce some very authentic Rally Cars but they are not always competitive. **If you wish to run a car from one of the ranges above that is listed in the following Addendum using a 3D chassis you need to put them forward and a panel of three experts will consider allowing them to run. The nominee may nominate a chair person to oversee the decision making process. Note that this is by prior arrangement NOT on the night you want to run it!**

#### **Rally Cars added and approved:-**

- MSC Metro 6R4 with long can inline motor
- SCX Fiesta WRC with 3d printed Chassis
- SCX Citroen DS3 WRC with 3d Printed chassis
- Scaleauto Peugeot 208 with 3D printed Chassis

## **ADDENDUM**

### **Class info – as reflected in Website stats**

#### **Class 1**

Cars with Plastic/Metal gears and wheels with grub screws, up-rated motors (max 25K @ 12V) are all permitted unless specifically stated - .

Just adhere to the general rules above.

**Class 2** **N.B. No longer included** (Cars with plastic wheels, gears etc. Motor choice is free. Guides/Tyres are free)

#### **Class 3**

Cars with standard inline or sidewinder configured motor they come with. No Anglewinders. Gears & wheels must be plastic and if possible the original fitments to comply with the “spirit” of this class. At the very least replacements should be the same gear ratio and wheels the same size/width.

Guide/Tyres are free except where specified in individual categories.

#### **Class 4**

Cars with standard inline or sidewinder configured motor they come with. Guide, Gears & Wheels must be the original fitments including inserts. Rear tyres must be the same compound (i.e. Supergrip) – Zero Grip Front tyres may be substituted - dimensions as original.

#### **Class UC**

Scratch builds / Cars that do not comply with R&Rs\*.

\* Novice drivers will be permitted to score points if running cars that are from other categories where an appropriate loan car is unavailable.

## **ADDENDUM**

### **Group 4 (1973-1983)**

- [Lancia Stratos HF](#)
- [Fiat 131 Abarth](#)
- [FSO Polonez 2000 Rally](#)
- [Ford Escort RS1800](#)
- [Ferrari 308 GTB](#)
- [Audi Quattro](#)
- [Alfetta GTV Turbodelta](#)
- [Alpine-Renault A110](#)
- [TalbotSunbeam Lotus](#)
- [Saab 96 V4](#)
- [Citroën DS21](#)
- [Citroën DS23](#)
- [Datsun 240Z](#)
- [Datsun 1800 SSS](#)
- [Peugeot 504](#)
- [Fiat Abarth 124](#)
- [Fiat Abarth 124 Rallye](#)
- [Wartburg 353](#)
- [Polski Fiat 125p](#)
- [Toyota Celica 2000GT RA40 & RA63](#)
- [Volvo 142](#)
- [Porsche 911](#)
- [Mercedes-Benz 450 SL](#)
- [Mitsubishi Lancer 2000 Turbo](#)
- [Opel Ascona 400](#)

### **Group B (1982-1986)**

- [Audi Quattro S1](#)
- [Alfa Romeo Alfasud Sprint 6C](#)
- [Audi Quattro A1](#)
- [Audi Quattro A2](#)
- [Audi Sport Quattro S1](#)
- [Audi Sport Quattro S1 E2](#)
- [Citroën BX 4TC EVO](#)
- [Citroën Visa Chrono II](#)
- [Citroën Visa Mille Pistes](#)
- [Citroën Visa Trophée](#)
- [Daihatsu Charade 926 Turbo](#)
- [Daihatsu Charade DeTomaso 926R](#)
- [Ford Escort RS 1700T](#)
- [Ford RS200 E](#)
- [Ford RS200 E2](#)
- [FSO Polonez 2000](#)
- [Lada Samara EVA](#)
- [Lada VFTS](#)
- [Lancia 037](#)
- [Lancia Delta S4](#)
- [Mazda RX-7](#)
- [Mercedes 190E Cosworth](#)
- [MG Metro 6R4](#)
- [Mitsubishi Lancer 2000 Turbo](#)
- [Mitsubishi Starion 4WD](#)
- [Moskvich 2141-KR](#)
- [Nissan 240RS](#)
- [Opel Kadett 4S](#)
- [Opel Manta 400](#)
- [Opel Manta 400 4WD](#)
- [Peugeot 205 Turbo 16](#)
- [Peugeot 205 Turbo 16 Evo 2](#)
- [Peugeot 305 V6](#)
- [Peugeot 504 Pickup](#)
- [Porsche 911 Carrera](#)
- [Porsche 911 SC RS](#)
- [Porsche 911 Turbo RS](#)
- [Porsche 959](#)
- [Renault 5 Turbo](#)
- [Renault R5 Maxi Turbo](#)
- [Renault Alpine A310 V6](#)
- [SEAT FuraCrono 1.6?](#)
- [SEAT Ibiza Marathon](#)
- [Škoda 130 LR](#)
- [Subaru XT 4WD Turbo](#)
- [Talbot Horizon](#)
- [Talbot Samba Rallye](#)
- [Talbot Sunbeam Lotus](#)
- [Toyota Celica Twin-Cam Turbo TA64](#)
- [Toyota 222D](#)

### **Group N (1982-2012)**

- [Subaru Impreza WRX STI](#)
- [Nissan Pulsar GTI-R](#)
- [Proton PERT](#)
- [Proton Satria Neo](#)
- [FSO Polonez 1600](#)
- [Ford Fiesta ST](#)
- [Ford Escort RS Cosworth](#)
- [Ford Sierra Cosworth](#)
- [Lancia Delta HF Integrale](#)
- [Mazda 323 4WD](#)
- [Renault 5 GT Turbo](#)
- [Mazda 323 GT-X](#)
- [Mazda 323 GTR](#)
- [Mitsubishi Lancer Evolution I](#)
- [Mitsubishi Lancer Evolution II](#)
- [Mitsubishi Lancer Evolution III](#)
- [Mitsubishi Lancer Evolution IV](#)
- [Mitsubishi Lancer Evolution V](#)
- [Mitsubishi Lancer Evolution VI](#)
- [Mitsubishi Lancer Evolution VII](#)
- [Mitsubishi Lancer Evolution VIII](#)
- [Mitsubishi Lancer Evolution IX](#)
- [Mitsubishi Lancer Evolution X](#)
- [Honda Civic 1.8](#)
- [Honda Civic Type R](#)
- [Toyota Celica GT-Four ST205](#)

## World Rally Car (1997 - current)

- [Subaru Impreza WRC](#)
- [Subaru Impreza WRC GC 97](#)
- [Subaru Impreza WRC GC 98](#)
- [Subaru Impreza WRC GC 99](#)
- [Subaru Impreza WRC GC 2000](#)
- [Subaru Impreza WRC GD 2001](#)
- [Subaru Impreza WRC GD 2002](#)
- [Subaru Impreza WRC GD 2003](#)
- [Subaru Impreza WRC GD 2004](#)
- [Subaru Impreza WRC GD 2005](#)
- [Subaru Impreza WRC GD 2006](#)
- [Subaru Impreza WRC GD 2007](#)
- [Subaru Impreza WRC GE 2008](#)
- [Mitsubishi Lancer Evolution WRC](#)
- [Mitsubishi Lancer Evolution WRC2](#)
- [Mitsubishi Lancer WRC04](#)
- [Mitsubishi Lancer WRC05](#)
- [Citroën Xsara WRC](#)
- [Citroën C4 WRC](#)
- [Citroën DS3 WRC](#)
- [Peugeot 206 WRC](#)
- [Peugeot 307 WRC](#)
- [Toyota Corolla WRC](#)
- [Ford Escort WRC](#)
- [Ford Focus WRC](#)
- [Ford Focus RS WRC 00](#)
- [Ford Focus RS WRC 01](#)
- [Ford Focus RS WRC 02](#)
- [Ford Focus RS WRC 03](#)
- [Ford Focus RS WRC 04](#)
- [Ford Focus RS WRC 06](#)
- [Ford Focus RS WRC 07](#)
- [Ford Focus RS WRC 08](#)
- [Ford Focus RS WRC 09](#)
- [Ford Fiesta RS WRC](#)
- [SEAT Córdoba WRC](#)
- [SEAT Córdoba WRC E2](#)
- [Hyundai Accent WRC](#)
- [Hyundai Accent WRC2](#)
- [Hyundai Accent WRC3](#)
- [Hyundai i20 WRC](#)
- [Škoda Fabia WRC](#)
- [Škoda Octavia WRC](#)
- [Škoda Octavia WRC Evo2](#)
- [Škoda Octavia WRC Evo3](#)
- [Mini John Cooper Works WRC](#)
- [Suzuki SX4 WRC](#)
- [Volkswagen Polo R WRC](#)