



Rockingham

SCALEXTRIC Club

National GT3 Championship 2020

NB: The following rules are taken from the Slot Forum GT3 Championship thread:
<https://www.slotforum.com/forums/index.php?showtopic=192471>.

TECHNICAL REGULATIONS

NSR Rules 2020

Rationale:

To race "out of box" with specified modifications using mainly NSR components. Parts marked * are standard in most cases.

Eligible NSR Cars:

NSR ASV (Aston Martin Vantage); Audi R8; BMW Z4; Corvette C6R; Corvette CR7; Mercedes AMG or Porsche 997.

Body:

Must retain original interior.

Rear wing must be firmly affixed at the start of every race.

White kits must be fully painted. Clear coats may be used in addition to paint, but not as a replacement for paint.

Chassis:

Must be the NSR black plastic chassis that matches the body.

Magnet(s) must be removed.

Ballast may be added, but must be firmly fixed.

Taping, strengthening and/or laminating is not allowed.

If a drop arm was fitted originally it must be retained. It may be adjusted or fixed using the screw supplied.

Guide:

Must be NSR part n° 4841*, 4842*, 4843, 4844, 4845 or 4859.

Spacers may be used to set guide depth.

Motor Pod:

Must be as fitted to original purchase. A small amount of material may be removed from the motor cradle to help avoid stress fractures when installing a motor.

Motor:

Must be NSR part n° 3023*; 3017 or Scaleauto part n° SC0026 b.

NSR3023 = King 21 with purple wrapper, 21,400 rpm, 350 gr.

NSR3017 = King 21 with orange wrapper, 21,400 rpm, 322 gr.

Scaleauto 0026 b = Endurance, 22,000rpm, 310gr.

Pinion Gear:

Must be NSR part n^o 7112, 7113*, or 7114 (7.5mmØ 12–14T brass).

Anglewinder Gear:

Must be NSR part n^o 6528, 6529, 6530, 6531*, 6532, 6533 or 6534 (16.8mmØ 28–34T aluminium).

Axles:

Must be NSR part n^o 4801 (49mm solid steel) or 4802 (52mm solid steel).

Bearings:

Must be standard fit as supplied with model.

Front Wheels:

Must be NSR part n^o 5003* (17mmØ) or 5001 (16mmØ).

Must turn when car is placed on a set-up block and pushed down and forward.

Front Tyres:

Must be black rubber. May be varnished and/or glazed.

Rear Wheels:

Must be NSR 5004* (17mmØ air hub) or 5003 (17mmØ solid hub).

Rear Tyres:

Must be NSR black rubber. The NSR logo should be visible on both tyres. If logo has become worn or indistinct the scrutineer will adjudicate.

Wheel Inserts:

May be fitted.

General:

Overall width across rear wheels and tyres must be ≤ 64mm.

Wheels must not be visible from above when either axle is moved to its extreme left or right positions.

All other components eg Braids; Wires; Screws; Spacers; Stoppers; Glues and Lubricants are free choice.

If it is not listed above it is not allowed.

Any new models or upgraded components introduced during the year can only be used after being approved by the 2020 series' Technical Committee (Matt Tucker, Nick Hirst and Julian Edwards).

The event scrutineer's decisions are final.

Scaleauto Rules 2020

Rationale:

To race "out of box" with specified modifications using mainly Scaleauto and specified third party components.

Eligible Cars:

Scaleauto Audi R8; BMW Z4; Corvette C7R; Mercedes SLS; Porsche 997, Viper GTR or Mercedes AMG.

Body:

Must retain original interior.

Rear wing must be firmly affixed at the start of every race.
White kits must be fully painted. Clear coats may be used in addition to paint, but not as a replacement for paint.

Chassis:

Must be the Scaleauto plastic chassis that matches the body.
'Home' range chassis are not allowed.
Magnet(s) must be removed.
Ballast may be added, but must be firmly fixed.
Taping, strengthening and/or laminating is not allowed.

Guide:

Must be Scaleauto part n° 1603, 1604, 1605, 1606, 1607, 1608, 1620 or 1621.
Spacers may be used to set guide depth.

Motor Pod:

Must be Scaleauto anglewinder configuration (or inline option for Mercedes only) as fitted to RTR series models. Any offset allowed. Lateral arms must not be fitted. A small amount of material may be removed from the motor cradle to help avoid stress fractures when installing a motor.

Motor:

Must be Scaleauto part n° 0011b, 0025, 0025b, 0026 or 0026b.
Scaleauto 0011b = long can Tech 1, 20,000 rpm, 286 gr.
Scaleauto 0025 = Sprinter, 21,500 rpm, 300 gr.
Scaleauto 0025b = Sprinter 2, 21,500 rpm, 320 gr.
Scaleauto 0026 b = Endurance, 22,000rpm, 310gr.

Gears (anglewinder configurations):

Pinion must be Scaleauto or Slot.it 11, 12, 13 or 14T.
Contrate must be Scaleauto or Slot.it with free choice of tooth number.

Gears (inline configuration for Mercedes only):

Pinion must be Scaleauto or Slot.it 8, 9 or 10T,
Crown must be Scalauto with free choice of tooth number.

Axles:

Must be standard Scaleauto as supplied with model.

Bearings:

Must be standard fit as supplied with model.

Front Wheels:

Must be standard Scaleauto plastic/aluminium as supplied with model or Slot.it part n° PA43als/W16508215a (16.5 x 8mm aluminium).
Must turn when car is placed on a set-up block and pushed down and forward.

Front Tyres:

Must be black rubber. May be varnished and/or glazed.

Rear Wheels:

Must be standard Scaleauto 17.3mmØ plastic/aluminium as supplied with model; MBSlot part n° 19019; Racer part n° SWW/GTA; Slot.it part n° PA62als or NSR part n°s 5003/5004.

NB The NSR wheels will require reaming to 2.38mm.

Rear Tyres:

Must be NSR black rubber. The NSR logo should be visible on both tyres. If logo has become worn or indistinct the scrutineer will adjudicate.

Wheel Inserts:

May be fitted.

General:

Overall width across rear wheels and tyres must be ≤ 64mm.

Wheels must not be visible from above when either axle is moved to its extreme left or right positions.

All other components eg Braids; Wires; Screws; Spacers; Stoppers; Glues and Lubricants are free choice.

If it is not listed above it is not allowed.

Any new models or upgraded components introduced during the year can only be used after being approved by the series' Technical Committee (Matt Tucker, Nick Hirst and Julian Edwards).

The event scrutineer's decisions are final.

Finally...

If the rules do not expressly say that you can do something then you cannot do it.

Index to amendments

<u>Issue No</u>	<u>Date</u>	<u>Amendment</u>
1	02/05/13	First draft.
4	01/08/13	Simplify and clarify using standard wording for each section.
4a	14/04/16	Updated to match the 2016 National Rules.
5	17/01/20	Replaced with official 2020 National GT3 Rules.