

Mini Class Rules (VORTEC)



Chassis

Tamiya M03 or M05 series "Front Wheel Drive" chassis only, assembled as per Instruction Manual, and no chassis/powertrain modifications allowed. With the exception of the included/optional differential which may be modified to give a locked/spool action.



Bodies

Bodysells are open, with the following restrictions - No Modern (post 1980) 4 door Touring Sedans and/or 12th scale type Wedge/Can-am Sports bodies.



Tyres

Any commercially available rubber mini-sized tyre, in any combination and/or compound, with any insert.



Motors

Tamiya Black Can Sport-Tuned motors (23,000 rpm max) - 53068, or 13T/3000KV Hobbywing OEM/rebranded COMPLETE SYSTEM with max 25 or 35 amp ESC and engraved /etched can. No modifications are permitted to motors.



Batteries

Any approved 6 cell Nicad and NiMH stick pack configuration.

Any 2 cell Hard-cased approved 7.4 Lipo packs as listed on the ROAR website

(<http://www.roarracing.com/approvals/lipobattery.php>) that will fit the mini chassis (without modification to pack or chassis).



Gearing

20, 18 OR 16 Tooth pinions only.



Additional

A minimum weight limit of 1330gms (with transponder). ESC, bearings and Tamiya Hot-ups only permitted, with the following exceptions - Official Tamiya optional ALLOY components may be replaced with an equivalent aftermarket part.

540 Class Rules (VORTEC)



Chassis

Any IFMAR legal ISTC chassis.



Bodies

Unrestricted bodyshells.



Tyres

Rubber tyres only permitted.



Motors

540 Johnson/Mabuchi standard replacement silver can metal endbell motors, Motors may not be modified or tampered with in any way. [Click here for images of allowed motors.](#)



Batteries

Any approved 6 cell Nicad and NiMH pack, stick side by side or saddle configuration.

Any 2 cell Hard-cased approved 7.4 Lipo packs as listed on the ROAR website

(<http://www.roarracing.com/approvals/lipobattery.php>).



Gearing

Unrestricted gearing.



Additional

Chassis ready to run minimum weight with transponder: 1425grams

Any hop-up from any manufacturer.

21.5 Turn Class Rules (VORTEC)



Chassis

Any IFMAR legal ISTC chassis.



Bodies

4Dr Sedan shells only



Tyres

Rubber tyres only permitted.



Motors

Any 21.5 turn motor, with any timing and with any other wise legal ESC, timing advance and turbo modes allowed.



Batteries

Any approved 6 cell Nicad and NiMH pack, stick side by side or saddle configuration.
Any 2 cell Hard-cased approved 7.4 Lipo packs as listed on the ROAR website (<http://www.roarracing.com/approvals/lipobattery.php>).



Gearing

Unrestricted gearing.



Additional

Chassis ready to run minimum weight with transponder: 1425grams

Any hop-up from any manufacturer.

13.5 Turn Class Rules (VORTEC)



Chassis

Any IFMAR legal ISTC chassis.



Bodies

Any IFMAR approved 4dr Sedan bodyshell.



Tyres

Rubber tyres only permitted.



Motors

Any 13.5 turn motor, with any timing and with any other wise legal ESC, timing advance and turbo modes allowed.



Batteries

Any approved 6 cell Nicad and NiMH pack, stick side by side or saddle configuration.

Any 2 cell Hard-cased approved 7.4 Lipo packs as listed on the ROAR website (<http://www.roarracing.com/approvals/lipobattery.php>).



Gearing

Unrestricted gearing.



Additional

Chassis ready to run minimum weight with transponder: 1425grams

Any hop-up from any manufacturer.

17.5Turn Class Rules (WCRMC Only) Same as 13.5Turn (VORTEC) except motor is a 17.5



Chassis

Any IFMAR legal ISTC chassis.



Bodies

Any IFMAR approved 4dr Sedan bodyshell.



Tyres

Rubber tyres only permitted.



Motors

Any 17.5 turn motor, with any timing and with any other wise legal ESC, timing advance and turbo modes allowed.



Batteries

Any approved 6 cell Nicad and NiMH pack, stick side by side or saddle configuration.

Any 2 cell Hard-cased approved 7.4 Lipo packs as listed on the ROAR website

(<http://www.roarracing.com/approvals/lipobattery.php>).



Gearing

Unrestricted gearing.



Additional

Chassis ready to run minimum weight with transponder: 1425grams

Any hop-up from any manufacturer.

18R Class Rules (WCRCMCC Only)



Chassis

Out of the Box Associated 18R chassis only.



Bodies

Any Body from any manufacturer made specifically for the Associated 18R.



Tyres

Rubber or Foam tyres only permitted.



Motors

Out of the Box Associated Super 370 Motor 18 Series only permitted. Motors may not be modified or tampered with in any way.



Batteries

Any approved 6 cell Nicad and NiMH pack, stick configuration.

Any 2 cell Hard-cased approved 7.4 Lipo pack.



Gearing

Minimum Final Drive Ratio of 7.64 (18T Pinion & 55T Spur).



Additional

Chassis ready to run minimum weight with transponder: 570g (Based on Standard AE 1100mAh NIMH 6 Cell Battery Pack, Club Transponder).

Original Out of the Box Speed Controller only.

Servo & Radio Gear - Open

Out of the Box Shock Absorber Bodies.

Shock Springs & Oils - Open.

Servo Saver - Open.

Any Hopup from Any Manufacturer made for the 18R allowed as long as all the above criteria is meet.

All Class Rules are subject to review and modification by the Committee during the Year.

FINAL