



# 2020 VINTAGE EP OFF-ROAD RULES

## CONTENTS

### VINTAGE GENERAL RULES

V1. GENERAL	2
V2. SPEED CONTROLLERS	2
V3. BODIES	2
V4. BATTERIES	2
V5. SERVOS	2
V6. RACE DURATION	2
V7. CLASSES	3
V8. WEIGHTS	3
V9. MOTORS	3

### CLASS SPECIFIC RULES

V10. STUNT CLASS – LUNCHBOX, HORNET, BLACKFOOD & VARIANTS	3
V11. 2WD, 4WD & TRUCK PLASTIC CHASSIS	3
V12. STOCK & MOD CLASSES	4

## V1 GENERAL

- V1.1 Vintage EP Off-Road rules have been written and approved by the NZRCA Executive to assist clubs who wish to host Vintage meetings.
- V1.2 Rule changes are to follow rule G2.
- V1.3 All cars must be electrically powered.
- V1.3.1 1/10<sup>th</sup> scale commercially available 2wd buggy, 4wd buggy & 2wd trucks having an initial release date of Pre 1995
  - V1.3.2 1/10<sup>th</sup> scale commercially available **plastic chassis**\* 2wd trucks, having an initial release date of Pre 1995;
  - V1.3.3 1/10<sup>th</sup> scale commercially available **plastic chassis**\* 2wd buggy or 4wd buggy's having an initial release date of Pre 31<sup>st</sup> October 1989.
  - V1.3.4 1/10<sup>th</sup> & 1/12<sup>th</sup> scale vehicles which fulfil the intent of the "Stunt Class" (formally "Lunchbox Class").
  - V1.3.5 4wd trucks and short-course chassis types are not eligible.
  - V1.3.6 Re-released kits shall be considered for entry in the same class as the original release providing the re-released design is a fair representation of the initial release. *\*In certain circumstances, the race director may allow a vehicle to be placed into a class which is 'most appropriate' e.g. a Tamiya Sand Scorcher has an FRP chassis, but the most appropriate class may be 2wd plastic, rather than 2wd Spec or Mod.*
  - V1.3.7 The race director shall have the final decision on both the acceptability of a car, and the applicability for a class.

## V2 Speed Controllers

- V2.1 Speed Controllers – Any "Servo operated Mechanical Speed Controller" or "Electronic Speed Controller" is allowed.

## V3 Bodies

- V3.1 Body must be of commercially available origin, of an off-road buggy or truck type only. It is encouraged that driver figures be installed per original release. Wings should be installed per original release. Bodies & chassis must not have any dangerous features i.e. spur gear covers to be fitted where appropriate; no protruding screw points etc.

## V4 Batteries

- V4.1 Battery capacity is unlimited.
- V4.2 Cells are limited to maximum of 6 Ni-Mh / Ni-Cd cells or 2S Li-Po / Li-Fe.
- V4.3 Batteries to be as per rule G17
- V4.4 There is no restriction on the battery connector type.

## V5 Servos

- V5.1 There is no restriction on the type of servo used.

## V6 Race duration

- V6.1 All heat races and finals shall be of 5 minutes duration.

## V7 Classes

- V7.1 Classes offered are:  
2wd Buggy Stock - Pre 1995 (Silver-can brushed motor only);

4wd Buggy Stock - Pre 1995 (Silver-can brushed motor only);  
2wd Truck Stock - Pre 1995 (Silver-can brushed motor only);  
Tamiya Stunt Class (Silver-can brushed motor only);  
2wd Plastic chassis – Pre 1989 (Silver-can brushed motor only);  
4wd Plastic chassis – Pre 1989 (Silver-can brushed motor only) ;  
2wd Plastic chassis Truck Pre 1995 (Silver-can brushed motor only);  
2wd Buggy Mod - Pre 1995;  
4wd Buggy Mod - Pre 1995;

## V8 Weights

- V8.1 Minimum weights for a vehicle including transponder are:  
2wd Buggy 1474g  
4wd Buggy 1588g  
2wd Truck 1700g

*There is currently no weight limit imposed on Stunt or plastic chassis class vehicles.*

## V9 Motors

- V9.1 Plastic chassis, Tamiya Lunchbox and kids classes shall run unopened, unmodified Johnson 540s or Mabuchi 540s closed can, sealed end bell, brushed, with non-replaceable brushes and bushes per NZRCA Offroad rule B7. Silver-can brushed motors are to be supplied by the competitor.
- V9.2 Mod Classes - may run any commercially available brushed modified motor or brushless motor.

## Class Specific Rules

### V10 Stunt Class – Lunchbox, Hornet, Blackfoot & variants

- V10.1 1/10th & 1/12th scale vehicles which are not considered “Race Orientated” type vehicles, where their respective performances are similar. Eligible vehicles include: Tamiya Lunchbox series, Tamiya Grasshopper & Hornet series, Tamiya Blackfoot and Monster Beetle series. Other similar vehicles may be eligible for entry at the race director’s discretion.

### V11 2wd, 4wd & Truck Plastic Chassis

- V11.1 Vehicles shall be assembled as per original assembly manual and shall run a silver-can motor.
- V11.2 2wd & 4wd buggy driven wheels shall be no larger than 2” diameter.
- V11.3 The following period relevant hop-ups are allowed:  
Ball Bearings;  
Sway bars;  
Aftermarket / non original wheels & tyres providing the driven wheels are no larger than 2” (for 2wd & 4wd buggy);  
Oil filled dampers;  
Different pinion gear providing it is a intended hop-up (no dremeling of motor mounts to fit larger pinion gears);  
Universal joints or CVAs.

**V12 Stock & Mod classes**

- V12.1 Any **period relevant** hop-ups are allowed.
- V12.2 There is no restriction on wheels or tyres.