



## **1/10th ELECTRIC CIRCUIT SECTION RULES 2020**

Frontie – 4<sup>th</sup> March 2020

### **17. TECHNICAL RULES – FRONTIE TOURING CARS**

- 17.1** Front wheel drive only is allowed.
- 17.2** All Bodyshells: bodyshells must be approved by the BRCA 1:10 Electric Circuit Committee. Approved bodyshell list to be published on the BRCA website. To be added to the allowed list, a body must be a realistic representation of an original hatchback car as judged by the Committee. Checks will be made against the dimensions of the actual car to check is within scale (the idea is to keep the shells looking realistic and not like what is now seen in TC with GBS rules). Bodyshells submitted for approval must be supplied with photos of the car it is a representation of. Front splitter may not protrude more than 10mm from the frontmost point of the body. A new list will be published on the first of each month. Shells must arrive on or before the 14th of the previous month to be added to the new list. In order to be used at a BRCA sanctioned event, the bodyshell must be present on the approved list on the Monday before the event. Bodyshells submitted for approval will be kept by the section for future reference.
- 17.3** The main chassis must be commercially available. This can be in the form of a complete Frontie kit, a conversion kit to convert a 4WD TC into a Frontie or a converted 4WD TC with all rear transmission parts removed. No 100% home made cars allowed. (manufacturers can ask committee approval to run 1 prototype chassis at an event to allow development, no points can be scored for this entry. Booking in must be via the BRCA site like all other competitors)
- 17.4** The main chassis cannot be changed during a race.
- 17.5** Only 17.5T Brushless motors from the BRCA EB Approved lists.
- 17.6** Only 2s Lipo batteries from the BRCA EB Approved lists.
- 17.7** Only Blinky Mode Electronic Speed Controllers allowed from the BRCA EB Approved lists.
- 17.8** The minimum car weight, including personal transponder is 1250g.
- 17.9** Dimensions
- |                       |           |
|-----------------------|-----------|
| Wheelbase:            | 250-270mm |
| Width (without body): | 170-190mm |

- 17.10** Control tyres: These must be in the form of a pre-glued treaded tyre/spoked wheel type. A list will be published on the BRCA website of approved commercially available sets that can be used.  
*NOTE: This will be a rolling list for 2020 as new product becomes available and approved. New tyres must be available for 1 month before being added to the approved list. For year 1 there will be some tyres on the list that are unmounted to allow the use of a wet tyre/demand as the class grows. These must be used with the supplied inserts ONLY. As tyres become settled as the year goes on the unglued will be removed.*
- 17.11** Only 2 sets of tyres can be used on a race day. This can be any 2 sets from the approved list.
- 17.12** Tyres must be easily identifiable with a permanent external marking that can be used as a reference.
- 17.13** Any Competitor being suspected of not running the correct tyre assembly will have their tyres destructively checked at the end of the event. If the tyres are found legal, the competitor will have the full set replaced by the section.
- 17.14** Any competitor found using a tyre assembly other than that on the approved list will be disqualified from that event.
- 17.15** All wheels/tyres must be marked, the process will be advised at each meeting by the appropriate officials. Markings must be clearly visible.
- 17.16** BodysHELLs should be painted to resemble a FIA WTCR/BTTC/TCR Touring car, or creative use of scale schemes from other car, rally and motorbike racing series. A concourse event will be held at each BRCA event for the best presented 'Race Paint' Frontie. To be eligible for the concourse event, a bodysHELL must have been raced at the event. One colour bodysHELLs will be allowed for racing but will not be included in the concourse event.
- 17.17** Windows are to be clear or tinted and must be clearly defined as windows.
- 17.18** Details of all front and rear lights plus the main front grill must be clearly contrasted from the surrounding paintwork.
- 17.19** All bodysHELL features (front splitter / bumpers) from the original moulding must remain on the shell and only trimmed to the cut lines on the bodysHELL.
- 17.20** Wing must be the one supplied with the shell only. Maximum size 175mm long x 30mm long x 15mm high, excluding end plates. No mixing of parts from different shells. Wings (excluding endplates if supplied) are to be of single moulded construction and to be mounted directly to the body as supplied, on the mounts provided at the back of the shell.
- 17.21** No holes or slots are allowed on the body or wing, except for body post, aerial and transponder holes.
- 17.22** Under body/chassis aerodynamic aids of any nature are not allowed. Smooth Lexan under trays may be fitted to waterproof the cars. Items to aid strength (including

repairs), stiffness of the shell, or preventing the shell from becoming “tucked” are allowed.

**17.23** Homologation fee is £15 per shell.

**17.24** Bodyshells have a 5-year homologation period, after which if still in production will have to be resubmitted with a £5 fee.

**17.25** Drivers who finished in the top 10 of the previous year’s National Modified or 13.5 Blinky Championship are ineligible for the following years Frontie Championship.

This rule set will remain open for the 2020 season to allow the committee to adjust as the class grows/needs adjusting.