

LATE MODEL SPECIFICATIONS

1. GENERAL

- 1.1: Appearance must resemble full size Late Model Speedway Car
- 1.2: Must be based on a Baja B5 platform from the following Manufacturers HPI / ROVAN SPORTS / KING MOTOR
- 1.3: Body is Mandatory see Body Specifications below
- 1.4: Aluminium upgrade to replace plastic parts permitted
- 1.5: All measurements for this model are measured from extreme points.

Model Dimensions

- 2.1: Model Length W/Body Fitted (overall): maximum 1200mm
- 2.2: **Model width Front Track: maximum 510mm**
- 2.3: **Model width Rear Track: maximum 510mm**
- 2.4: Body Must be made from Max. thickness : Plastic 3mm/ Aluminium 1.2mm / fibreglass 3mm
- 2.5: Body Nose Cones: Must be a wedge/top flared side nose cone unique to Late Model Sedan- Sides of nose cone sits Higher than the Guards. (*REFER Appendix 2.*)
- 2.7: **Body width Front : maximum 610mm**
- 2.8: **Body width Rear : maximum 610mm.**

ENGINE

- 3.1: Minimum engine capacity 22.5cc(23cc) up to 31.8cc (32cc) ie: Zenoah / CY Chang Yung / King Motor KM or Rován as supplied by manufacturer
- 3.2: Engines MUST remain internally stock, NO internal modifications allowed (no porting heads not allowed, cleaning of castings or Scavenger plates not allowed)
- 3.3: Air filter and exhaust may be changed (as per model outlines below)
- 3.4: Reed valve engines are NOT PERMITTED
- 3.5: Ignition system MUST remain standard as pre manufactures design including Spark plug LEAD. (Mechanically fitted timing coil only as per manufactures design)
- 3.6: Flywheel MUST remain standard (as pre manufactures spec. and design)
- 3.7: Clutch MUST remain standard as fitted to used engine (clutch springs OPEN min 5K to 9K rpm springs)
- 3.8: After market pull starts allowed

3.A. ENGINE modifications

- 3.A.1: Exhaust : non-standard is permitted MUST be within body with no parturitions out side and will stay contained with in the models body. Engine noise MUST be BELOW and not exceed 95DbA from a distance of 10m from the model at idle (with an approved measuring device)
- 3.A.2: INTAKE; carburetors from listed engines only (replacement carburetors allowed WALBRO WT-603(X),668,989,(997),771,813,(998),990 OR 1107 ALLOWED .(bearing Modification on main Shaft only allowed. Removal of choke shaft NOT allowed).
- 3.A.3: Spark plugs type open (no restriction)
- 3.A.4: Porting Polishing is NOT permitted (no removal of any materials)Z
- 3.A.5: Gaskets MUST be paper type (production thickness) no copper Gaskets allowed (this excludes exhaust manifold reinforced metal gasket and copper permitted)
- 3.A.6: Bearings all bearing MUST be stainless steel type, NO ceramic materials permitted

4. DRIVELINE

- 4.1: Rear wheel drive only
- 4.2: Lock differentials are NOT permitted
- 4.3: Multi speed gear box is NOT permitted
- 4.4: Axle extenders permitted
- 4.5: All gears MUST be straight cut (no helix coil cut types allowed)

5. FRONT AXLE

- 5.1: Standard as pre manufactures either E-Clipped , Screwed in or Pinned
- 5.2: Extenders Permitted

6. CHASSIS

- 6.1: MUST resemble a standard 2 piece as per Manufactures design (can be plastic , aluminium or carbon fibre)
- 6.2: Stiffener plates can be used on front under side ONLY, and only this one is permitted

7. Nerf and Crash Bars

- 7.1: Front bumper Permitted MUST be under nose cone of body
- 7.2: Rear crash bar may be fitted but MUST stay inside the confines of body

8. Brakes

- 8.1: MUST be fitted and operational
- 8.2: Only manufactures standard of braking systems allowed (NO four wheel-hub braking systems are to be used) ,use of upgraded pads and disks are PERMITTED.

9. Suspension

- 9.1: Standard length as per manufactures for B5 front/rear shock lengths (open placement of shock permitted I.E. both rears on the out side both front on the inside MUST use 2x Front and 2x Rear)
- 9.2: Shock Oil and Springs are OPEN and not restricted
- 9.3: Maximum of Four Shocks only

10. Wheels and Tyres

- 10.1: Aftermarket copies are allowed but MUST have same dimensions as original be tyres may be used in any configuration. **Maximum 170 x 80 mm** (I.E. all rears or any mix of front/rears)

11. SPOILER

- 11.1: The rear spoiler shall be fixed all the way across the rear of the body and shall not protrude outside of the body. Wings are NOT permitted

12. Fuel and Fuel Tank

- 12.1: Fuel tank MUST be secured within the model and MUST NOT be between model and body.
- 12.2: Fuel = unleaded / premium unleaded with only two stroke oil additive only ,no race fuel or additives al-lowed MUST be 98 octane or lower.

13. Kill Switch

- 13.1: Third channel kill switch recommended but not mandatory
- 13.2: Identification of kill switch MUST be with a blue triangle on the body with the switch having clear access to stop the engine or placed on the body with the blue triangle point to the button.

14. Radio / Electrics

- 14.1. 2.4GHz banded radios are only used
- 14.2. 'D' boxes/and or gyros are NOT PERMITTED
- 14.3: ONE only Transponder is to be fitted as near as possible behind front axle

15. Race Numbers and State Letter

- 15.1. Must be minimum size 70mm high by 50mm wide for each numeral (excluding "1" that can be done to scale of numbers)
- 15.2. Must be fitted to the left and right side panels and on the roof
- 15.3. MUST have state letter adjacent scale to size (as done in full size)
(SEE Appendix 1. page 22)
- 15.4. Current state champion may display the numeral "1" with state letter.
- 15.5. Current Australian champion may display "A1".