

2020 HOT 1600's REGULATIONS

THIS IS A NON-CONTACT FORMULA

- 1) **Cars should be prepared and kept in a professional racing appearance, no team colours are allowed in this class, failure to do so will result in an advisory and could result in race refusal.**

BASIS:

- 2) Any Front Wheel Drive up to 1600cc Saloons or Hatchbacks under 1300 Kg Gross Vehicle Weight in standard street form may be used, subject to the following conditions: Escort size vehicle only, No Honda or Rovers (with the exception of a Rover Metro with a k series engine)
- 3) Only standard engines are allowed up to 1600cc, with a maximum of 90 thou overbore. 16 valve twin cam must stay on manufactured injection and ECU. Pistons must not be machined, standard heads may be skimmed (No Rover or Honda engines). Flywheel must be standard, exhaust manifold and downpipes must remain standard, no four branch manifolds are permitted. Full standard manufacturers exhaust must be fitted. Air filters are free.
- 4) Only standard carburettor to be used with a maximum 25mm choke size.
No twin carbs, Turbos or Superchargers. Cold start devices may be removed. Injection fuel pumps must be fitted in the engine bay or submersable in the fuel tank, and must switch off with the ignition and kill switch. Steel or braided fuel line must be used and joints securely fixed double where possible. No longer than 6" flexible joints.
The original fuel tank must be removed. Replacement fuel tank must be fixed to the N/side rear passenger seat well with a fuel outlet at the top. Maximum capacity of 10 litres with breather pipe with non return valve out of the top and terminating below the tank. A shut off tap must be fitted within reach of driver and clearly marked, fuel pipe to be metal wherever possible. Firewall between driver and fuel tank.
- 5) Standard gearbox must be fitted. No locked or limited slip diffs. allowed.
- 6) Radiator must be retained in its original position.
Thermostats may be removed. No steam tanks or additional coolers allowed apart from a heater matrix which must be re-located under the bonnet.
- 7) No adjustable or competition springs or shock absorbers permitted. Standard springs or standard lowered springs or heating and cutting existing springs is permitted to lower vehicle. A front strut top brace may be fitted. Suspension fixing points and parts must remain standard, modifications are not allowed. The driver is solely responsible to replace damaged components before race day.
- 8) Roll Cage, alloy roll cages are not permitted. The minimum roll cage to be fitted is 1 front hoop, 1 rear hoop, 2 connecting roof bars, 1 cross bar (dash bar), 2 chicken bars on near-side, 2 chicken bars on off-side, the feet on the roll cage hoops must be a minimum of 24cm on all 4 feet, 3mm thick (minimum), welded or bolted. A piece of 38mm square tube 2.5mm thick may be used as hoop feet but securely welded, joints must be welded at least 90% unless professional clamps are used, 2 additional bars may go from the front hoop to the rear of the front strut mounts, but must continue straight forward (no triangulating), the rear of the roll cage must end at least 4" from the rear panel, the minimum thickness of the cage is 1¼" OD 10 SWG "3mm tube" 1½" OD 12 SWG (2.5mm) tube 1½"x1½" 10 SWG (3mm) box tube. All bars must be steel.
- 9) Remove all glass and interior trim apart from driver's seat and harness.
Tow bars must be removed
Standard grilles must be kept, no replacement/home made grilles.
All panels must remain as standard in steel. Doors, bonnets and boots must be secured shut by bolting or in the case of doors, tack welded.
A hole may be cut in bonnet by carb.
A rear view mirror to be fitted with glass taped.
Triangular corner plates may be fitted between the wing top and scuttle maximum of 6" 1.5mm thick.
All light apertures must be filled in with maximum 1mm thick steel and maximum overlap 25mm.
Sun roof apertures must be plated over.
Standard front bumper only as fitted, rear bumper may be removed.
No welding or strengthening.
All holes in bulkhead must be covered to give firewall.
- 10) Battery may be moved to rear seat area.
Batteries must be secure and covered with an insulated leak proof material.
A battery isolator switch must be fitted to rear n/side of car in earth circuit and marked ON/OFF.
Two brake lights must be fitted in the rear window and only operated by brake pedal.
- 11) Brakes must remain as manufactured and working on all four wheels. Handbrake must be in working order
- 12) Wheels must be standard, a maximum of 14", all four wheels must be of the same offset and must fit inside the bodywork, hubcaps and wheel weights must be removed, tyre sizes must only be 185x60x13/14, 185x55x13/14. Nothing else is permitted, tyre gators are not allowed, any kingpin (road legal), remould OR Landsail LS388 is permitted, competition tyres are not allowed, alloy wheels may be fitted with correct studs-nuts, any vehicle loosing a wheel found to have the wrong wheel nuts will risk severe penalties. No V-Blade pattern or M&S Tyres allowed. Vehicles running smaller wheels than the Kingpin range may use Marshall road legal remould only.
- 13) The driver's seat must be secured and fitted with a head restraint/back support (bucket seats are strongly advised). Seat must be fixed at shoulder height to roll bar and bolted to floor. A full 3" safety harness must be used and anchored at 4 separate points.
All drivers are advised to wear a neck brace.
- 14) Driver's window net must be fitted, made of cloth and quick release.
All drivers must wear fire retardant overalls, gloves and balaclava. Helmets must be of a minimum standard - BS6658 type A/FR, FIA8860-2004, Snell SA2005, SFI Foundation 31.1A, SFI Foundation 31.2A. The E2205 European Standard helmet may be used in fibreglass or Tri-composite form only. It is important that the helmet fits the driver correctly, goggles and visors must be shatterproof.
- 15) Racing numbers must be clearly displayed on both sides of the white roof fin with black figures 9" high x 1" wide
Roofs must be clearly painted to identify driver's grade colour.
Drivers name to be displayed on a 150mm deep panel, fitted across head of front screen aperture.