

## APPENDIX A - ELIGIBILITY REQUIREMENTS

### A 1. GROUP 1 (PRODUCTION)

- A Production vehicle is defined as a 4WD model having been produced in quantities of not less than 500 per annum, regardless of engine capacity. It must have been available through a dealer network when new, and must be to standard European specification, as detailed in the vehicle's handbook. It is the competitor's responsibility to provide evidence, if required, of the vehicle's eligibility.
- Unless expressly authorised hereafter, no modifications may be made to the vehicle except those necessary to comply with safety regulations.

#### A 1.1. ENGINE

- .a. The accelerator cable may be replaced or doubled, with or without parts from the original manufacturer.
- .b. The make and type of spark plugs are free, as are rev limiters, high-tension cables and the ignition coil(s), where fitted.
- .c. The capacity and origin of the cooling system radiator/tank is free, as is the type of thermostat (which may be removed.) The original location and attachment points of the radiator (for that series of production) must be retained.
- .d. Those parts of a carburettor or fuel injection system which regulate the admission of *fuel* to the engine may be modified, provided that the modification has no influence on the admission of *air*. The original fuel injection system must be retained; the injectors may be changed for injectors that are identical except for the size of the pintel nozzle hole at the end.
- .e. The air filter, its housing, and the ducting between this housing and the atmosphere, are free, but the housing must remain in its original location. The air must not be taken from the cockpit, the modifications must not affect the structure of the vehicle, and the installation must be situated entirely within the engine compartment. The air filter element may be removed.
- .f. The valve springs and valve clearance are free, but the camshafts and rocker arms (including their profile) must remain as original.
- .g. The fuel pump is free, in operating principle, number, and location outside of the cockpit.
- .h. The material of the engine mountings are free, but the number and location must remain as original.
- .i. The exhaust system after the first silencer is free, except that it may not be replaced with a system of a larger ducting capacity than that fitted upstream of the first silencer. The exhaust system must retain the original number of silencers, although additional silencers may be fitted. It shall be permissible to alter the exit point of the exhaust system either to the rear or sides of the vehicle provided that no alteration to the bodywork is made and the installation respects Construction and Use Regulations. Additional mounting points for the exhaust system may be fitted.
- .j. Where fitted, the Cruising Speed Controller may be disconnected.
- .k. Sound proofing panels may be removed from the engine.

#### A 1.2. TRANSMISSION

- .a. The clutch disc is free, including its weight. The number of discs in the clutch and their diameter must be retained.
- .b. Standard transmission ratios must be retained. Optional extras are prohibited, unless those extras were available as an approved Manufacturers Optional Extra for new vehicles.
- .c. Locking and limited slip differentials or traction control devices are only permitted if available as a standard fitment or an approved Manufacturers Optional Extra.

#### A 1.1. SUSPENSION

- .a. Springs
  - i. Coil Springs: The length, diameters (external and of the wire), the form of the spring platform, and the type of spring (progressive or fixed rate) are free.
  - ii. Leaf Springs: The length, width, thickness, vertical curvature and number of leaves are free. The fitting of shackle protection pads is strongly recommended.
  - iii. Torsion bars: The diameter is free, however their mounting points must be original
- .b. Shock Absorbers
  - i. Are free, but the type (telescopic, lever etc.) and operating principles (hydraulic, friction, etc.,) must be retained as original.
  - ii. Gas filled Shock Absorbers will be regarded as hydraulic in respect of their operating principle.
  - iii. The mountings must be retained as originally fitted and may not be reinforced.
  - iv. It shall be permitted to fit an additional shock absorber at each wheel station, provided that the mounting's only purpose is the fitting of the additional shock absorber.
  - v. The fluid tanks for the shock absorber may be attached in the wheel arches as well as to the chassis.
  - vi. Suspension travel straps are permitted.
- .c. Rigid axle
  - i. Where fitted, the original casing may be strengthened provided the original part can still be recognised.

## **A 1.2. WHEELS AND TYRES**

- .a. Tyres are restricted. See Supplementary Regulation Article 11
- .b. Wheels are free, but must conform to the diameter & offsets available to that make of vehicle.
- .c. Tyres must remain covered by the original bodywork, including wheel arch extensions where originally fitted, and where no modifications may be made to the bodywork to permit their fitting.
- .d. The spare wheel may be relocated inside the vehicle provided that it is securely restrained and does not impinge on the space reserved for competitors.
- .e. Wheel fittings by bolts may be changed to stud and nut fittings.

## **A 1.3. BRAKING SYSTEM**

- .a. The brake linings are free as is their mounting to the backing plate (riveted, bonded etc.) provided that the contact surface of the brakes is not increased.
- .b. Protection plates may be removed or reshaped.
- .c. In the case of a vehicle fitted with servo-assisted brakes or anti-locking devices, these devices may be disconnected.
- .d. Brake hoses may be changed for aviation type lines.

## **A 1.4. BODYWORK**

- .a. Exterior
  - i. Hubcaps must be removed.
  - ii. Protective headlight covers may be fitted provided that their only function is to cover the glass, and they have no influence on the vehicle's aerodynamics.
  - iii. The fitting of under body protection plates is recommended provided that their only function is to protect the following parts: - steering, radiator, engine, suspension, gearbox, fuel tank(s), transmission, and exhaust.
  - iv. A nudge bar may be fitted, in addition to the bumper. It must be independent of, and not reinforce, the vehicle's structure. This bar must be made of tubes and may be mounted to the original bumper or chassis and may only be so constructed so as to provide protection to the headlights and provide mountings for auxiliary lights.

- v. The side and rear windows behind the driver may be replaced with non-transparent material or transparent material of at least 4 mm in thickness. Openings originally made up of a number of panes may be replaced with a single pane or panel. The fixation and mechanisms of these windows and those of the windows in the side doors are free.
  - vi. The glass panel of the sunroof must be replaced with a panel of the same material as the roof of the vehicle and must be at least 1.5 mm.
  - vii. The locking system for the cap of the fuel tank is free.
  - viii. Where an externally mounted spare wheel is relocated inside the vehicle it shall be permitted to remove the original external wheel mounting.
  - ix. External rear view mirrors are free, but must satisfy Construction & Use regulations
  - x. Front and rear windscreen wiper blades are free, but the wiper mechanism must be original.
  - xi. Only winches which require no modification to the structure of the vehicle other than to facilitate the attaching of the winch by bolts, may be fitted.
- b. Interior
- i. All accessories which have no effect on the vehicle's behaviour are allowed without restrictions, such as those concerning the aesthetics or interior comfort (lighting, heating, etc.) on the express condition that they do not influence, even in a secondary manner, the efficiency of the engine, steering, strength, transmission, braking or road holding.
  - ii. All the passenger seats, if occupied, must be fitted with head restraints to comply with [K] 13
  - iii. The carpet behind the front seats may be removed.
  - iv. All the controls must be those provided by the manufacturer and they must retain their original function, but may be modified to improve their ease of use (extension to handbrake lever, additional flange to brake pedal, etc.).
  - v. The following are allowed in particular:
    - .(1). Additional measuring instruments, counters etc. May be freely installed provided that they do not present a danger.
    - .(2). The horn(s) may be changed, and additional ones fitted.
    - .(3). Additional controls are allowed to permit dual operation of the Wash/Wipe and horns from the passenger seat
    - .(4). The mechanism of the handbrake lever may be modified to "fly-off" operation.
    - .(5). The seats occupied by competitors are free, and the seat supports may be strengthened.
    - .(6). Additional storage compartments may be added to the glove compartment and front doors.
    - .(7). The steering wheel is free, but must use the original steering column.
    - .(8). Electric window mechanisms may be converted to manual operation.

## **A 1.5. REINFORCEMENTS**

- .a. Strengthening of suspended parts is permitted where the strengthening material follows the shape, and is in contact, with the suspended part.
- .b. It is permitted to fit strengthening bars to the suspension points.
  - i. Where these mounts are on a monocoque shell, the bars must be attached by bolts and be removable. It is permitted to make holes in the suspension trim to attach the bars.
  - ii. Where these mounts are part of a separate [sub-]chassis, they may be welded in place.
- .c. When the spare wheel is originally located within an enclosed space it shall be permissible, when carrying a wheel wider than that originally fitted, to remove the cover and or sufficient material to allow the wider wheel to be carried within the space provided.

## **A 1.6. ELECTRICAL SYSTEM**

- .a. The battery and associated cables are free, save that the battery must be located in its original position using the original mountings.
- .b. The Alternator is free.
- .c. Fuses may be added to the electrical system.
- .d. A maximum of 6 forward facing lights greater than 21W (or equivalent), and their associated relays etc may be fitted. Such additional lights may not be fitted within the bodywork.
- .e. Additional reversing lights may be fitted which may only be operated when reverse gear is engaged.
- .f. Two rear high intensity lights shall be fitted as high as possible ([P] 57.4).
- .g. In all other respects the lighting system must respect current legislation.

### **A 1.7. FUEL SYSTEM**

- .a. Fuel lines may be replaced with braided aviation type lines.
- .b. Where an FT3 tank is fitted, fuel lines **must** be replaced with the aviation type.
- .c. It is permitted to feed the original tank from the FT3 tank provided that the breather pipes pass through the FT3 tank.
- .d. In all cases the routing of fuel lines are free except that they may not be routed inside the roll cage or chassis members.

### **A 1.8. JACK**

- .a. The jack is free and the jacking points may be changed for others, which have no other function.

## **A 2. GROUP 2 (SUPER PRODUCTION)**

- A Super Production vehicle is defined as a 4WD model having been produced in quantities of not less than 500 per annum, regardless of engine capacity. It must have been available through a dealer network, when new, and must be to standard European specification, as detailed in the vehicle's handbook. It is the competitor's responsibility to provide evidence if required, of the vehicle's eligibility.
- Unless expressly authorised hereafter, no other modifications may be made to the vehicle, save those necessary to comply with safety regulations
- All modifications authorised for Production Vehicles are permitted for Super Production Vehicles together with those contained in these specific regulations.

### **A 2.1. GENERAL PRESCRIPTIONS**

- .a. With the exception of those parts hereafter authorised for modification [or], replacement, all other parts may be machined, balanced and/or chemically treated provided that it is possible to identify those parts so modified as being originally fitted components, irrespective of the supplier.
- .b. Throughout the vehicle all nuts and bolts/screws are free, as are the type of locking device (i.e., washer, locknut etc.).

### **A 2.2. ENGINE**

- .a. The engine must originate from the manufacturer, and be available from the official dealer network. (eg A Ranger Rover Sport engine may be fitted to a 1948 Land Rover). The onus is on the competitor to prove that the engine is available through a dealer network. The engine must be in its complete and integral form, save for modifications authorised here after..
  - i. The nominal capacity of the engines shall be limited to:
    - .(1). Petrol Engines:
      - 1.1. 5,000cc for normally aspirated 2 valves per cylinder engines.
      - 1.2. 3,500cc for engines with more than 2 valves per cylinder and/or forced induction.
    - .(2). Diesel Engines:
      - 2.1. 6,000cc for normally aspirated 2 valves per cylinder engines.
      - 2.2. 4,000cc for engines with more than 2 valves per cylinder and/or forced induction.
  - .b. Cylinder block & Cylinder head
    - i. It is permitted to close the unused apertures in the cylinder block and cylinder head provided that the only purpose is that of closing the aperture.
    - ii. A re-bore is allowed provided the original cylinder block is retained, re-sleeving of the bore is allowed under the same conditions and the material of the sleeve is free.
    - iii. Planing of the cylinder block and head is allowed. In the case of rotary engines the dimensions of the inlet and exhaust tracts are free provided that the original dimensions of the inlet and exhaust ports are respected.
    - iv. The Compression Ratio is free.
    - v. The Cylinder Head Gasket is free.
    - vi. The Pistons, Piston Rings and Gudgeon Pins are free.
    - vii. The Connecting Rods and Crankshaft: In addition to the modifications permitted in the paragraph 'General Prescriptions', the original crankshaft and connecting rods may receive chemical, heat or mechanical treatment different from that specified for production parts.
    - viii. Bearings: These are free except that they must be the original type of bearings and they must be to the original dimensions.
    - ix. The Flywheel may be modified in accordance with the prescriptions of the paragraph 'General Prescriptions' provided that the original flywheel can still be identified.

- .c. Fuel and Air Feed
  - i. The air filter, its housing and the plenum chamber are free. The air filter and box may be removed, replaced by another or relocated within the engine compartment. The pipe between the air filter box and the carburettor(s) or the air measuring device (injection) is free, as is the pipe between the air measuring pipe and the inlet manifold or the super charging device.
  - ii. The air filter may be fitted with a grille.
  - iii. Anti pollution parts may be removed provided that their removal does not lead to an increase in the amount of air admitted to the engine. It is permitted to make a hole, or holes, up to a maximum area of 78cm<sup>2</sup> in the engine cover or bonnet to provide air to the engine and to connect ducting of a maximum internal area of 78cm<sup>2</sup> at its widest point.
  - iv. The Fuel pumps are free except that they may not be fitted inside the cockpit unless they were originally located in this position in which case they must be adequately protected.
  - v. It is permitted to fit a radiator in the fuel circuit.
  - vi. Fuel filters are free except that they shall not exceed a unit capacity of 0.5 litres and may be added to the fuel circuit.
  - vii. The original heat exchangers and intercoolers to the petrol engine fitted must be retained and remain in their original location. In the case of diesel engines these are free but must remain within the engine compartment and the bodywork must not be modified to allow their fitting.
  - viii. The pipes between the supercharging device, the intercooler and the manifold are free but their only function may be to carry air.
  - ix. Water injection, if fitted, must be as originally fitted to the engine type in all respects.
  - x. The use of any other substance or device to reduce the temperature of the mixture is forbidden.
- .d. Carburettor
  - i. The replacement of the standard carburettor with a single progressive single or twin choke carburettor is permitted provided, in the case of a single choke carburettor, the diameter of the single choke does not exceed 2 inches or 50.80mm and, in the case of a twin choke carburettor, the diameter of each choke does not exceed 1.4145 inches or 35.93mm. If an SU carburettor is used, the size of the choke will be the size of the butterfly flap for the purpose of the above measurements.
- .e. Injection
  - i. The injection system original to the vehicle must be retained in type and location. The parts of the injection system regulating the quantity of fuel admitted to the engine may be modified, but not the diameter of the opening of the butterfly.
  - ii. The air-measuring device is free.
  - iii. The injectors are free, except for their number, position, assembly axis and operating principle.
  - iv. The fuel lines feeding the injectors are free.
  - v. The electronic box is free provided it does not incorporate more data.
  - vi. The fuel pressure regulator is free. In the case of a diesel engine the injection pump is free.
- .f. Camshafts
  - i. The camshafts are free except their number and number of bearings. The timing is free. The material, type and dimensions of pulleys, chains and belts for driving the camshafts are free. The route and the number of belts or chains are free, as are the guides and tensioners associated with the belts or chains.
- .g. Valves
  - i. The material and the shape of the valves are free, as is the valve lift, but their original dimensions must be maintained. The cups, cotters or guides (even where not originally specified) are free. Shims may be added under the springs. The valve seat material is free. The valve springs are free as to number, material, length and number of coils, but their location must be as original.
- .h. Rocker Arm and Tappets, Push Rods

- i. Rocker arms may only be modified as prescribed in the General Conditions. The Tappets and Push Rods are free provided that they are interchangeable with the original parts.
- .i. Ignition
  - i. The ignition system is free except that the number of spark plugs may not be increased. It is permitted to convert a mechanical ignition to electronic ignition system and vice a versa. Where the system is so converted only those modifications to fit the necessary components are permitted.
- .j. Cooling
  - i. The radiator is free, as are its mountings provided that it remains in its original location (compartment). The cooling hoses and fittings are free. A radiator screen may be fitted. The type, location, material and number of fans are free. The thermostat is free and may be removed. A water catch tank may be fitted and the radiator cap may be locked. The expansion tank is free, and one may be added where not originally fitted. If water injection was originally fitted it may be disconnected but not removed.
- .k. Lubrication
  - i. Radiator, oil/water heat exchanger, lines, thermostat, sump, oil pump and filter are free. The oil radiators must be located within the original parameters of the vehicle, including the underneath of the vehicle. Fitting of an oil radiator does not allow the fitting of an enveloping aerodynamic structure. All air openings must have the sole effect of inducing the necessary air for the cooling of the radiator, and must not have any aerodynamic effect.
  - ii. Oil pressure may be increased.
  - iii. If the lubrication system includes an open type breather then it must be equipped with an oil catch tank into which the oil will flow. This catch tank shall be at least 2 litres for vehicles up to 2,000cc, and at least 3 litres for vehicles of 2,000cc and above.
- .l. Engine Mountings
  - i. Mountings are free provided that the position of the engine respects the original layout (longitudinal, transverse), and that the engine remains in its original half of the wheelbase. The only possible modifications to this compartment are those made necessary by the difference in space requirement between the original engine and the permitted alternative engine. The incline may be modified. Supports may be welded to the engine and to the bodywork and their position is free. It is permitted to modify the bulkhead for the installation of one or more air filters or for the admission of air provided that this arrangement is totally isolated from the admission of air into the cockpit.
- .m. Exhaust
  - i. Downstream of the original exhaust exit the system is free except that the exit must remain inside the vehicle's perimeter. For vehicles with turbochargers the exhaust can only be modified after the turbocharger. In the case of rotary engines, provided the inlet ports of the exhaust manifold are respected, the dimensions of the ducts are free.
  - ii. Thermal screens may be fitted to the exhaust manifold, the turbocharger, and the exhaust system provided their only function is that of a thermal screen.
- .n. Driving pulleys and belts for ancillaries situated outside the engine:
  - i. The material, dimensions and type of pulleys are free, chains and belts for driving the ancillaries are free. The route and the number of belts and chains are free.
- .o. Gaskets
  - i. Gaskets are free.
- .p. Engine Springs
  - i. Engine Springs are not subject to any restrictions other than that they must retain their original operating principle.
- .q. Starter Motor
  - i. The Starter Motor must be retained, but its make and type are free.
- .r. Supercharging Pressure
  - i. The pressure may be modified under the 'General Prescriptions' and 'Engine springs' as specified above. The connection between the housing and the waste gate may be made adjustable if it is not originally so. The original system of

operation of the waste gate may be modified and may be rendered adjustable, but the system must be retained. A mechanical system must remain mechanical, and an electrical system must remain electrical etc.

### **A 2.3. TRANSMISSION**

- .a. Clutch
  - i. The Clutch is free.
- .b. Gearbox, transfer box, final drives, differentials and their casings
  - i. These are free. An additional lubrication and cooling device is allowed (circulation pump, radiator, and air intakes situated under the vehicle) in accordance with the prescriptions listed under Lubrication above.
  - ii. The gearbox supports and drive shafts are free.

### **A 2.4. SUSPENSION**

- .a. The suspension is free.
- .b. The axles are free and may be substituted. Reinforcement bars may be fitted to the suspension mounting points.
- .c. The distance between the fixing point of the suspension and the anchorage point of the reinforcement bar must not be more than 100mm, unless the bar is a transversal strut with a roll bar as originally fitted, and unless there is an upper bar fixed to a MacPherson suspension or similar. In the latter case the maximum distance between the anchorage point of the bar and the upper articulation point will be 150mm.
- .d. Apart from these two points, this bar must not be mounted on the bodyshell or the mechanical parts. One and the same bar may only be fixed to 2 of these points situated on the original chassis (bodyshell).

### **A 2.5. WHEELS AND TYRES**

- .a. Tyres are restricted. See Supplementary Regulation Article 11
- .b. Wheels are free within the following restrictions:
  - i. The wheels may be increased or decreased in diameter by 2 inches from the original specification,
  - ii. The wheel offset may not exceed 8 inches,
  - iii. The wheels do not have to be of the same diameter.
- .c. Should the wheel be secured by a central nut, a safety spring must be in place at all times, painted Day-Glo red and these safety springs must be changed every time the wheel is changed. Spare springs must be carried at all times.

### **A 2.6. BRAKES**

- .a. Brakes are free except for the following:
- .b. Cooling of brakes. Only one flexible pipe to bring air to the brakes of each wheel is allowed, but it's inside section must be able to fit within a circle with a 10cm diameter.
- .c. The air pipes must not extend beyond the parameters of the vehicle when viewed from above.

### **A 2.7. STEERING**

- .a. The steering is free, including the housing; however the original operating principle must be retained.

### **A 2.8. BODYWORK AND CHASSIS**

- .a. Modifications to the bodyshell and chassis made necessary to allow for modifications authorised above are allowed. Fixed bulkheads may be rendered movable on condition that this does not modify their ability to prevent the passage of liquids and flame.

- .b. Strengthening of the sprung parts of the chassis and bodywork is allowed provided that the material used follows the original shape and is in contact with it. Reinforcements by composite materials are allowed irrespective of thickness.
- .c. Insulation material may be removed from the bodyshell and chassis.
- .d. Unused supports (i.e. spare wheel carrier) may be removed.

## **A 2.9. EXTERIOR**

- .a. The external contours and shapes of the vehicle must be conserved in their entirety, except as permitted for Standard Production vehicles and below:
  - i. Windscreen wipers: The system is free in all respects save that it must comply with Construction and Use requirements. The washer reservoir may be relocated inside the cockpit; the number and capacity are free.
  - ii. External decorative/rubbing strips may be removed.
  - iii. The location and type of registration plates are free provided that they comply with Construction and Use requirements.
  - iv. Additional safety fastenings for the windscreen and other windows may be fitted provided that they do not improve the aerodynamics of the vehicle.
  - v. Wing extensions may be fitted, covering at least one third of the tyre's circumference, and being no greater than 5cm wide and 10cm tall in section. It is permitted to fit plastic protection parts inside the wings and the edges of the wing panel may be folded back if they protrude inside the wheel housing.
  - vi. Removable pneumatic jacks are permitted.
  - vii. Skirts are prohibited. No parts may be fitted between the sprung part of the vehicle and the ground whose function is to fill this space.
  - viii. It is permissible to remove or replace existing supports between the body and chassis, but is not permitted to change or add locations.
  - ix. The materials of the doors, bonnets and bootlids, handles and hinges are free, provided that their external appearance and operation is retained.
  - x. The material and operation of the front lateral windows are free. The windows must be transparent and at least 4 mm thick.
- .b. COCKPIT
  - i. Modifications to the cockpit must not be dangerous for the occupants of the vehicle especially in the event of a crash.
  - ii. The dashboard is free.

## **A 2.10. SEATS**

- .a. The front seats are free and may be replaced, they may be relocated rearwards but the seat back shall not be behind a vertical line defined by the leading edge of the rear seat as originally fitted. Rear seats and parcel shelves/load area covers may be removed.
- .b. All padding and insulation material may be removed from the underside of the roof.
- .c. Insulating and padding may be removed from the floor; the carpets are free and maybe removed. All other padding and insulation may be removed from the vehicle.
- .d. The heating system is free and may be removed. Where the system is removed an electric demisting system or similar must be fitted. Air conditioning may be disconnected or removed.
- .e. The steering wheel is free and the steering lock may be removed.
- .f. It is permitted to install a ventilation flap in the roof in accordance with the following conditions:
  - i. Maximum height 10cm.
  - ii. Displacement within front third of roof area.
  - iii. Hinges on the rear edge.
  - iv. Maximum width of 50cm.

## **A 2.11. ADDITIONAL ACCESSORIES**

- .a. All those which have no influence on the vehicle's behaviour, power or performance, are allowed.

- .b. All controls must retain their intended function and may be adapted for ease of use and accessibility.
- .c. All gauges and measuring devices are free and may be added or deleted.
- .d. A speedometer must be fitted.
- .e. Circuit breakers are free as to number and location.
- .f. The original windscreen may be replaced with a laminated windscreen with an integral defrosting device fitted.
- .g. Additional insulation to protect the competitors from fire may be added to the bulkheads.
- .h. The joints in the gear linkages may be changed.

## **A 2.12.ELECTRICAL SYSTEM**

- .a. The nominal voltage of the original system must be retained.
- .b. The wiring harness & fuses are free as are the routing and location of the same.
- .c. The battery(s) are free but must be securely fitted and covered to avoid leaks and short circuits.
  - i. The original number of batteries must be retained, though more may be added.
  - ii. Where a battery is not in an original manufacturers housing it must be attached to the body using a metal sheet and two metal clamps fixed to the structure by nuts and bolts of 10mm diameter, with 3mm thick reinforcements at the securing holes of 20cm<sup>2</sup>.
  - iii. A leak proof box must cover the battery and where installed behind the front seats within the cockpit the box must be ventilated to the exterior of the vehicle.
- .d. The generator is free but must retain the original drive system. Its location is free and may only be located inside the cockpit if that was the original location.

## **A 2.13.LIGHTING**

- .a. The vehicle's lighting must respect the lighting requirements of the current Motor Vehicles' Lighting Regulations. Apart from that requirement the lighting systems are free and the location of the indicators and parking lights may be modified.
- .b. Where the original orifices are no longer used, they must be sealed
- .c. The maximum number of forward facing lights is governed by A 1.6.d

### **A 3. GROUP 3 (PROTOTYPES)**

- Prototype vehicles are defined as vehicles which are free as to origin and design. They shall be capable of seating a driver and navigator side by side.

#### **A 3.1. ENGINE**

- .a. The engine is free as to its type and its location.

#### **A 3.2. TRANSMISSION**

- .a. The Transmission is free including the gearbox, transfer box, differentials and axles, as to the type and location.

#### **A 3.3. SUSPENSION**

- .a. The suspension is free as to its type and location.

#### **A 3.4. BRAKES**

- .a. The brakes are free, but a parking mechanism must be fitted.

#### **A 3.5. STEERING**

- .b. The Steering is free but must be a mechanical system - power assistance is permitted.

#### **A 3.6. WHEELS AND TYRES**

- .a. Tyres are restricted. See Supplementary Regulation Article 11
- .b. Wheels are free
- .c. Where a central nut secures the wheel, this must be fitted with a safety spring painted Day-Glo red at all times. This spring must be replaced after each wheel change and spares must be carried within the vehicle.

#### **A 3.7. CHASSIS**

- .a. The chassis is free. Jacking points may be added as necessary and their type is free.

#### **A 3.8. BODYWORK**

- .a. The materials and design of the bodywork are free but must respect the general prescriptions of the MSA.
- .b. A laminated windscreen with an integral defrosting system may be fitted.
- .c. If a windscreen is fitted, a demisting system and a windscreen wiper/ washer system must also be fitted.
- .d. Where front lateral windows are fitted they shall be of a transparent material not less than 4mm thick.
- .e. A roll-over protection structure of tubular construction may be fitted to the chassis provided its only function is the protection and mounting of auxiliary lights.

#### **A 3.9. COCKPIT**

- .a. No mechanical parts may protrude into the cockpit. Fixtures and fittings within the cockpit must not be dangerous for the occupants of the vehicle especially in the event of a crash.
- .b. The dashboard is free but must not have any protruding parts.

- .c. The heating system is free.
- .d. The steering wheel must comply with [J] 5.7 and the steering lock may be removed.
- .e. It is permitted to install a ventilation flap in the roof in accordance with A 2.10.f

### **A 3.10.ADDITIONAL ACCESSORIES**

- .a. All those which have no influence on the vehicle's behaviour, power or performance, are allowed.
- .b. All gauges and measuring devices are free and may be added or deleted. However a speedometer must be fitted.
- .c. At least one horn must be fitted.
- .d. Circuit breakers are free as to number and location.
- .e. A fly-off handbrake mechanism may be fitted.
- .f. Spare wheels must be securely fitted and must not intrude on the space reserved for competitors.
- .g. Insulation to protect competitors from fire may be added to the bulkheads.

### **A 3.11.ELECTRICAL SYSTEM**

- .a. The nominal voltage of the system is free, but must conform to A 2.12 in all other respects.
- .b. The generator is free but it may not be located within the cockpit.

### **A 3.12.LIGHTING**

- .a. The vehicle's lighting are free. Where un-used, original orifices must be sealed.
- .b. The maximum number of forward facing lights is governed by A 1.6.d
- .c. Additional or alternative reversing lights may be fitted and may be incorporated into the bodywork but may only be illuminated upon the engagement of reverse gear.
- .d. Two rear high intensity lights shall be fitted as high as possible ([P] 57.4).