SCORE Trophy Truck®

OPEN PRODUCTION - Unlimited

DEFINITION

Unlimited 4 wheel vehicles. Vehicles must have a production appearing Utility or Sports Utility body. Gasoline engines must be normally aspirated. Turbo diesel engines are allowed (see CR32).

GENERAL REGULATIONS

Entrants in this class shall comply with all applicable general regulations.

COMPETITION REGULATIONS

This class is an open production class and all components will be considered open unless restricted herein.

NOTE: *The CR abbreviations listed under this class (i.e. CR1 HELMETS) refer to cross reference listings in the front of this book. These cross-referenced listings are part of the class rules. Where a conflict occurs between the cross- referenced listing and a rule contained under this class, the rule contained under this class has precedence.*

SAFETY EQUIPMENT

CR1 HELMETS
CR2 PROTECTIVE CLOTHING
CR3 EYE PROTECTION and DENTURES
CR4 FIRST AID KIT
CR5 EMERGENCY SIGNALING DEVICES
CR6 HORNS
CR7 REFLECTORS
CR8 FIRE SUPPRESSION EQUIPMENT
CR9 SURVIVAL SUPPLIES

SUSPENSION COMPONENTS

CR10 SHOCK ABSORBERS and BUMP STOPS
CR11 SECONDARY SUSPENSION
CR12 WHEELS and TIRES
CR13 FASTENERS

STEERING and BRAKE COMPONENTS

CR14 STEERING
CR15 BRAKES

ELECTRICAL SYSTEM

CR16 IGNITION
CR17 BATTERIES
CR18 LIGHTS
CR19 STARTERS

FUEL SYSTEM

CR20 FUEL
CR21 FUEL TANKS
CR22 FUEL FILLERS LINES, VENTS, and CAPS

ENGINE, TRANSMISSION and DRIVELINES

CR23 ENGINE and ENGINE DISPLACEMENT
CR24 ENGINE REPLACEMENT
CR25 TRANSMISSION
CR26 THROTTLES
CR27 EXHAUST
CR28 DRIVE SHAFTS
CR29 FLYWHEEL SHIELDS
CR30 FLUID COOLERS
CR31 AUXILIARY EQUIPMENT
CR32 SUPERCHARGERS and TURBOCHARGERS

Turbo charged diesel motors will be allowed with the following restrictions:

Minimum turbo charged engine size is 5.0 liter. Maximum turbo charged engine size is 6.6 liter. Maximum of two (2) turbo chargers.

All turbo charged engines must be fitted with an air restrictor located between the turbo inlet and the air cleaner. Maximum single restrictor size 61.5 mm or two restrictors with a maximum size of 43.5 mm.

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CR32 SUPERCHARGERS and TURBOCHARGERS - *continued*

All the air necessary for feeding the engine must pass through this restrictor, which must respect the following:

The maximum outside diameter of the restrictor is 80 mm.

The 43.5 mm inlet must be located within four and a half inches (4.500") from the outside edge of the compressor blades.

The 61.5 mm inlet must be located within five inches (5.000") from the outside edge of the compressor blades.

The outside diameter of the restrictor at the restricted cross section must not exceed 50mm for 43.5mm restrictor, 67mm for 61.5mm restrictor for a length of 13 mm adjacent to the smallest inside diameter.

The mounting of the restrictor onto the turbocharger must be carried out in such a way that a seal wire can be secured that would indicate if the restrictor was removed.

For the installation of this restrictor, it is permitted to remove material from the compressor housing, and to add it, for the sole purpose of attaching the restrictor onto the compressor housing. Restrictor must be located in such a manner that easy access to the outside diameter at the restricted cross section for the purpose of measuring with a micrometer can be done.

The restrictor must be made from a single piece of material. Only air may be mixed with the fuel as an oxidant.

Closing the intake system at restrictor level must stall the engine immediately.

Cooling of the charge

Heat exchangers (intercoolers), must be of the air/air or air/water type.

Air/air exchangers (intercoolers), must have a maximum total volume of the core of 800 cubic inches.

Air/water exchangers must have a maximum total volume of the core of 500 cubic inches.

Any water spraying or injection system is prohibited. Internal and/or exterior spraying or injection of water or any substance whatsoever is forbidden other than fuel for the normal purpose of combustion in the engine.

Apart from heat exchangers (intercoolers), any device, system, procedure, construction or design the purpose and/or effect of which is any decrease whatsoever of the temperature of the intake air and/or of the charge (air and/or fuel) of the engine is forbidden.

For Diesel engines, the fuel must be gas oil corresponding to the following specifications:

- Hydrocarbon level, % by weight 90.0 min.
- Specific gravity, kg/m3 860 max.
- Cetane number (ASTM D 613) 55 max.
- Calculated cetane number 55 max. (ASTM D 976-80)
- Sulphur content 10-mg/kg max.

If SCORE, at any time during the racing season, determines that any turbo charged diesel engine has an unfair advantage, we may equalize that engine either by a reduction in cc's, restrictor sizing, turbo boost limits, etc. These changes may be required during the racing season.

VEHICLE SAFETY EQUIPMENT

CR33 ROLL CAGES
CR34 SAFETY HARNESS
CR35 SAFETY NETS
CR36 SEATING

GENERAL VEHICLE COMPONENTS

CR37 DRIVERS COMPARTMENT
CR38 DOORS AND LATCHES
CR39 FIREWALLS
CR40 BALLAST
CR41 WEIGHT

Vehicle must weigh 3500 lbs. (wet) minimum.

CR42 FLOORBOARDS
CR43 BUMPERS and HAZARDOUS PROTRUSIONS
CR44 MIRRORS
CR45 SKID PLATES
CR46 STORAGE

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CR48 CHASSIS and BODY

Must maintain a production appearing body.

Stock appearing grill and head light opening must be retained.

Body subject to SCORE approval.

CR49 HOSES

CR50 IDENTIFICATION MARKINGS

Vehicle numbers will be permanently assigned to each driver in this class. Numbers 1-9 is reserved for the prior years' driver standings for positions 1-9 respectfully. Numbers 10-99 will be available for assignment. Drivers who have used a number in the prior years' season will be given first option for the same number for the current season.

All Vehicles in this class are required to run a "Sun Visor". This visor must be located in the front windshield opening. This visor must be a minimum of five (5) inches wide from the top of the windshield opening and extend from A-Pillar to A- Pillar.

SCORE will use this visor area in its entirety for its advertising purposes.

CR51 ADVERTISING on VEHICLES

CR52 RADIO EQUIPMENT

CR53 WORKMANSHIP

CR54 TRACKING DEVICE

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