Heavy Metal Limited

Limited normally aspirated V8 powered four-wheel vehicles with 4x4 or 2x4 function. Vehicles must have production appearing truck or SUV body using original production frame. Vehicles must have been series produced in quantities in the last 30 years, and readily available for sale to the general public in the U.S.A. Newer production models including the Ford Bronco DR chassis No. 1 to No. 50 are eligible in this class.

Competition Number Range 8050-8074

DEFINITION

Full-size or mid-size trucks or SUVs with normally aspirated V8 engines (original equipment or crate engine from the same manufacturer)

GENERAL REGULATIONS

This class is a production class that allows engine swaps to a selection of crate engines. Vehicles that raced SCORE previously, and do not meet current specifications, can possibly be "Grandfathered" into current competition. Body and chassis combinations of vehicle manufacturer must be retained.

COMPETITION REGULATIONS

To view these complete sections, click on the following links

General Regulations - http://score-international.com/raceinfo/rule-book/general-regulations-2/

Competition Regulations - http://score-international.com/raceinfo/rule-book/competition-regulations/

Click back button or tab between windows to return to this page

NOTE: *The CR abbreviations listed under this class (i.e.CR1 HELMETS) refer to cross reference listings in the Competition Regulation section on this website. 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

CR 1 HELMETS AND HEAD AND NECK RESTRAINTS

CR 2 PROTECTIVE CLOTHING

CR 3 EYE PROTECTION and DENTURES

CR 4 FIRST AID KIT

CR 5 EMERGENCY SIGNALING DEVICES

CR 6 HORNS

CR 7 REFLECTORS

CR 8 FIRE SUPPRESSION EQUIPMENT

CR 9 SURVIVAL SUPPLIES

SUSPENSION COMPONENTS

Suspension type must be of the same configuration as originally produced. Suspensions may be strengthened and reinforced or fabricated in any manner so long as original stock concept (a-arm, I-beam, etc.) is retained. Pivot points for control arms may be modified / reinforced, provided that the pivot point locations remain unchanged from stock. Aftermarket and fabricated front suspension kits are allowed, provided they attach to the OE pivot points for the control arms

CR 10 SHOCK ABSORBERS and BUMP STOPS

Aftermarket shocks are allowed, provided that type remains unchanged from stock. Springs are open.

CR 11 SECONDARY SUSPENSION

Additional or secondary suspension is allowed, including but not limited to secondary shocks, bump stops, additional sway bars, and limit straps.

CR 12 WHEELS and TIRES

Tires and Wheels may be replaced with Non-DOT tires and wheels up to 37" outside diameter.

CR 13 FASTENERS

STEERING AND BRAKE COMPONENTS

CR 14 STEERING

Steering must be of the same configuration and function as originally produced. Any manufacturer's steering wheel may be used. Collapsible and or telescoping steering column and or shaft may be replaced. Steering Wheel airbags may be disabled or removed.

CR 15 BRAKES

Brakes are open.

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ELECTRICAL SYSTEM

CR 16 IGNITION

Ignition and control system must remain stock as delivered from the manufacturer for the declared model and model year or stock as delivered with the crate motor. Aftermarket spark plugs and wires are allowed. Engine, transmission, and transfer case module software and calibrations may be modified but stock modules must be retained and used for control

CR 17 BATTERIES

Any manufacturer's battery may be used. Position may be relocated. If battery is mounted in the stock location, additional reinforcement is recommended.

CR 18 LIGHTS

Stock headlights must be retained and remain in original position. Aftermarket lighting may be added to the vehicle. Rear collision lights are mandatory.

CR 19 STARTERS

FUEL SYSTEM

CR 20 FUEL

CR 21 FUEL TANKS - Safety fuel cells are required and must be mounted behind the driver. Fuel cell may be recessed into bed floor pan. Rear frame cross-member may be relocated, removed or replaced in order to recess fuel cell. Only a minimum amount of material may be removed to recess fuel cells.

CR 22 FUEL FILLERS LINES, VENTS, and CAPS

ENGINE, TRANSMISSION AND DRIVELINES

CR 23 ENGINE and ENGINE DISPLACEMENT

Engine must be one delivered in the vehicle or one listed in CR 24. Only normally aspirated engines not to exceed 6.2L will be considered. The rear face of the crankshaft must be ahead of the middle of the wheelbase and installed longitudinally. No restrictions on oil pan used.

CR 24 ENGINE REPLACEMENT

Engine may be replaced with the following. Additional engines may be approved by SCORE Tech Director on an individual case by case submission basis.

- Ford 5.0L (460HP) Production Spec Engine – MR3E-6007-EA. Engine modified to represent Ford production motor used in Bronco DR.

CR 25 TRANSMISSION

For transmissions utilizing a torque converter, transmission must be one delivered in the vehicle, replaced with Turbo 400 or similar aftermarket transmission, or may be replaced for another transmission from another series production vehicle from the same manufacturer.

For transmissions utilizing a clutch, (single or dual), gear change must be exclusively mechanical without any assistance, and must be controlled only by the driver. Sequential racing transmissions not allowed.

Transfer case (if applicable) may be original or replaced for a different transfer case from another series production vehicle from the same manufacturer. Four-wheel drive must be able to move under its own power with rear drive line removed.

DIFFERENTIALS

Front and rear differential must remain stock as delivered from the manufacturer with the exception of the gear ratios and carrier. Solid axles may be reinforced in such a way that the original part can still be recognized from the outside, or may be replaced for a different solid axle, provided that the solid axle came from another series production vehicle from the same manufacturer.

CR 26 THROTTLES

CR 27 EXHAUST

CR 28 DRIVE SHAFTS

CR 29 FLYWHEEL SHIELDS

CR 30 FLUID COOLERS

CR 31 AUXILIARY EQUIPMENT

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CR 32 FORCED INDUCTION

Induction system must remain stock as provided for the declared model and model year or as provided within CR24 for specified engine. Induction system may not be modified from throttle body to head. Pre-throttle body induction system can be modified to change the filter and intake system.

VEHICLE SAFETY EQUIPMENT

CR 33 ROLL CAGES
CR 34 SAFETY HARNESS 1”
CR 35 SAFETY NETS
CR 36 SEATING

GENERAL VEHICLE COMPONENTS

CR 37 DRIVERS COMPARTMENT
CR 38 DOORS AND LATCHES
CR 39 FIREWALLS
CR 40 BALLAST
CR 41 WEIGHT
CR 42 FLOORBOARDS
CR 43 BUMPERS AND HAZARDOUS PROTRUSIONS
CR 44 MIRRORS
CR 45 SKID PLATES
CR 46 STORAGE
CR 47 FENDERS
CR 48 CHASSIS and BODY

Manufacturers specified year chassis and body combination for the declared model and model year of the vehicle must be retained.

CHASSIS

Original wheelbase must be maintained. Frames must be retained in the original stock configuration. No lengthening or narrowing of frame is allowed. Removal and addition of material is only allowed to obtain clearance or provide mounting for powertrain/driveline components (not allowed for tire clearance). Local strengthening of frame is permitted.

BODY

CR 49 HOSES
CR 50 IDENTIFICATION MARKINGS
CR 51 ADVERTISING ON VEHICLES
CR 52 RADIO EQUIPMENT
CR 53 WORKMANSHIP
CR 54 TRACKING DEVICE

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