

3.10.3 SUPER MODIFIED

CLASS DESIGNATION: /SM, /SMA

CLASS HANDICAP SYSTEM - FULL TREE START

ELIMINATOR:

SUPER STOCK

Class Description;

Cars in Super Modified are street appearing production cars available to the general public, similar to Production vehicles but using highly modified Naturally Aspirated V6 or V8 engines. Liberal rear suspension and floor pan modifications are permitted, and post 86 front wheel drive cars may be converted to rear wheel drive, within the limits provided by the regulations. AWD vehicles are also permitted but must be converted to RWD only and comply to same regulations as per FWD converted vehicles.

Proposed body dimensions for a vehicle competing in this bracket, along with standard dimensions for that model must be forwarded to the ANDRA Head Office by the competitor, before competing, or prior to the issue of, or renewal of the Vehicle Logbook.

Class Details/ Weightbreaks;

Designation	Weightbreak
A/SM & A/SMA	207.60 kg/litre (7.50 lbs/cube) or more.
B/SM & B/SMA	235.28 kg/litre (8.50 lbs/cube) or more.
C/SM & C/SMA	262.96 kg/litre (9.50 lbs/cube) or more.
D/SM & D/SMA	290.63 kg/litre (10.50 lbs/cube) or more.

The suffix A denotes vehicles using OEM planetary transmissions (refer Definitions, "OEM Planetary Transmission") and torque converters, which will use a different Class Handicap.

Class Regulations;

Electronic Management: Electronic gear shifting devices permitted.

Engine: Restricted to V8 or V6 engines. Engine swaps permitted. Billet engine blocks not permitted.

Any modification is permitted and aftermarket cylinder heads allowed.

Exhaust: Any extractor or exhaust system may be used, terminating at sill panel level, with the gases being directed away from the car and tyres. Maximum of four outlets permitted. Exhaust may exit through inner fenders, but these may not be trimmed for more than 50 mm (2 inches) clearance around pipes. Refer Engine, Exhaust.

Fuel: All classes restricted to Ethanol, Methanol or Petrol only. Refer Fuel.

Induction System: Any carburettor, mechanical or electronic fuel injection system permitted. Competitors using EFI must use ANDRA approved ECU software.

Ignition: Any ignition system permitted.

Power Adders: Not permitted.

Ballast: Permitted. Refer Frame and Chassis, Ballast

Bellypan: Not permitted.

Bonnet Scoops: Permitted. Bonnet scoops must not exceed 305 mm (12 inches) in height.

Body: Must be an OEM production car body.

Modifications altering the contour of the body are not permitted.

Original grille must be retained, but may be covered from behind to prevent air from passing through.

Full stock headlights and tail lights must be retained, but need not be operative.

The replacement of panels with fibreglass, Aluminium or other materials is permitted but limited to bonnet and front guards, otherwise not permitted except as noted in these rules. Bonnet can be lift off, bonnet hinges not required.

Aftermarket panels must retain OEM appearance and OEM shape.

Single or multi-piece front clips prohibited.

Inner front wheel arch area may be clearanced to accommodate industry standard front tyres up to 26 inches (660 mm) in diameter.

FWD converted vehicles are permitted the following - Front inner wheel arch/fender walls maybe modified or reconstructed for clearance but must use the same material and joining method as OEM using the same or greater gauge material, constructed so to create an enclosed engine bay of OEM appearance.

Convertibles, Panel Vans, Utilities (Utes) and closed Sports Cars may compete in this class providing all requirements are met. Utilities (Utes) must compete with tailgate closed.

Floor: Maybe reconstructed rearward from the firewall, maybe raised or lowered.

Transmission and driveshaft tunnel maybe be removable but not excessive in width, length, and/or height. Floor and tunnel must present an OEM appearance and be constructed in same material as original and of equal or heavier gauge.

Rear wheel tubs maybe steel or aluminium.

Firewall: The lower portion of the OEM firewall may be replaced with steel of equal or greater thickness than OEM. FWD vehicles may replace or relocate the firewall, provided the measurement from the rear of the OEM position of radiator core support to the firewall is 35 inches maximum. For all others vehicles, firewall must be in the original location. A complete one-piece steel firewall that resembles OEM must be installed, welded in place, and sealed from the driver compartment.

The firewall must extend to and attach to the floor. The firewall and midplate may be integral.

Chassis: The chassis may be reconstructed rearward from the firewall.

FWD converted vehicles are permitted the following may add an aftermarket/fabricated forward clip 2 inch (50 mm) x 3 inch (75 mm) x .083 inch (2 mm) wall Steel to reinforce the original OEM front frame rails, the front OEM chassis rails must remain but may be notched and braced as required.

Bumpers: Stock front and rear bumpers with over-riders or exact replicas in fibreglass or composite, with proper bracing are required.

Electrical: Each car in this class must have a full working wiring harness.

Fuel System: Fuel Systems: Fabricated fuel tanks permitted, mounted in rear/boot area permitted, front accessory tanks mounted in engine bay permitted but must draw its fuel supply from rear tank.

Instruments: Each car must have a full stock dashboard, original instruments maybe replaced with aftermarket components within factory dash arrangement and addition supplementary instruments may also be installed.

Radiator: Must run full stock size radiator. The radiator may be relocated forward of original position without unnecessary removal of supports and surrounding panels.

Upholstery/ Seats: Original trim shall be maintained. Door trims may be modified for minimal clearance for the rollcage. Carpet and roof lining are optional.

Customised seats permitted providing the front seats are replaced with no less than two bucket seats that are fully upholstered. Rear seat optional.

Weight Removal: The removal of inner panels from bonnet, boot lid and other areas is strictly prohibited.

Windshield and Windows: Must be in good condition and may be fully operative. All non operative windows must be permanently closed.

Polycarbonate of a minimum of 3.0 mm (1/8 inch) thickness may be used in any window to replace the original glass.

Windscreen if replaced must be clear colourless Polycarbonate not less than 3.0 mm (1/8 inch) thickness and installed using factory type mouldings.

Spoilers: Factory fitted aerodynamic devices for the body used, fitted in the original location are acceptable.

Fabricated rear spoilers to be no longer than 355 mm (14 inches), measured from the body line to spoiler transition point to the tip and must not be moulded into the rear deck lid.

Must be painted to match paint scheme.

Must be no lower than horizontal. Maximum overall height of spill plates is 152 mm (6 inches), attached so that a maximum of 25 mm (1 inch) extends above the top of the spoiler.

Roof mounted spoilers prohibited. Air foils prohibited. Any adjustment or movement during a run is prohibited.

Clutch: Multi-Stage/ Lock-Up clutches prohibited. Clutch must be manually operated by the driver's foot.

Electronics, pneumatics, hydraulics or any other device may in no way affect the clutch system, and the throwout bearing must release all fingers, levers or stages simultaneously.

Staged or variable release clutches of any description prohibited.

Transmission: Aftermarket or OEM automobile transmissions of any year, make, model or ratio are required in all classes.

Transmission must remain in conventional location determined by engine used.

Clutchless transmissions up to five forward speeds in all /SM classes permitted to use manual transmissions.

Automatic transmissions using a clutch in place of the torque converter are acceptable in manual classes.

All automatic classes limited to automotive based OEM planetary transmission of up to three speeds using a torque converter.

Rear Axle: Any production automobile rear axle assembly permitted. Track may be narrowed. Spool may be fitted.

Wheelbase: Must meet manufacturer's specifications, +/- 3/4-inch and must not vary from left to right more than 25 mm (1 inch).

Wheels/ Tyres: Rear tyres may not protrude more than 50 mm (2 inches) past a 50 mm (2 inch) flared guard measured at top of tyre.

Fenders may be cut to accommodate tyres.

Brakes: Four wheel hydraulic brakes required as a minimum.

Suspension: Front suspension may be raised or lowered and limiters may be used. On RWD vehicles all pivot points must remain unaltered. FWD converted vehicles may alter lower mounting points but must maintain the original as OEM built top front strut mount in the OEM location, the front strut must mount to this OEM position.

Replacement of suspension components with stronger units permitted, but lightening of original units not permitted.

Sway bar may be removed. Crossmembers/ K-Frame may be replaced or the original may be modified for adequate sump/ ancillary clearance, where strength is not compromised and suspension mounting points remain in their original positions relative to the vehicle.

Original suspension components may be strengthened. Rear suspension must be operative automotive type equipped with a minimum of one hydraulic shock absorber per wheel. Fabricated rear suspensions permitted.

Steering: Properly fitted rack and pinion steering may replace other types. Left or right hand drive permitted.

Delay Devices: Not permitted.

Driver Location: Driver must be in stock location, maximum 10 inches (254 mm) rearward relocation from stock.

Night Lighting: Required.

Self Starting: Required. Push starts not permitted.

Licence Requirement: Group 2 UDL as a minimum.

Technical Inspection: Required.

