

Group 3D – Sports Sedans

“Heavy Metal Sports Sedan Series”

Sports Sedan Series Class – Limited Modification (HMSS)

Cars complying with HMSS must also comply with the CAMS Group 3D Sports Sedan Technical Regulations save for the following limitations. The CAMS Group 3D Sports Sedan Technical Regulations must be read in conjunction with these limitations.

Cars complying with HMSS must also comply with the current series sporting regulations.

Primarily HMSS is limited to mass produced sedan cars that have maintained the full original body configuration as originally manufactured and the model is approved by the Series Management and included on the acceptable vehicles list. The vehicle model build date shall be post January 1 1995.

Coachwork

Only front engine cars with the engine in front of the firewall are permissible.

The body shell including the floor-pan in its complete original form must be maintained with no alterations.

Minimal alteration only may be made to the transmission tunnel to accommodate a replacement bellhousing, gearbox and or linkages.

No alterations are allowed to wheel arches other than folding up the lip of the guard.

No wheel flares are allowed to be added.

A front air dam may be added and must comply with group 3D sports sedan regulations.

A rear wing may be added and must comply with group 3D sports sedans.

If the manufacturer produced a model of the car with side/rear skirts then the factory original side skirts or an exact shape copy may be added.

It is permissible to allow minimal removal of material to fit an on board jacking system.

No other alterations or additions to the body are allowed unless permitted by the series organizer in writing.

Mechanical Components

Brakes:

Only one brake calliper per wheel is allowed with a maximum of 6 pistons per calliper.

Wheels & Tyres:

The maximum wheel diameter is 18 inch's.

The maximum tyre width is to be 305mm as per notified on the tyre.

Suspension:

- Basic suspension design as per manufactured vehicle must be retained (ie: live rear axel must remain live rear axle and front strut must remain front strut) however the parts may be replaced with similar design or strengthened
- Mounting components are free and mounting points may be added or moved however no material is to be removed from the sub-frame or floor-pan.
- The wheel base and the location of the centrelines of the front and rear hubs shall be within 10mm of that of the Defined Car.

Transmission:

- The rear of the transmission including the output yoke must be fitted within 50mm of the manufacturer's original position and no further back than the centreline of the wheelbase.
- The clutch must be in the original position as when the vehicle was manufactured.

Engine:

- The engine is free save that it must be fitted in the original engine bay as manufactured and no alteration is allowed to the engine bay. Engine type and size to determined as per group 3D sorts sedan tech regulations.
- The engine block must be sourced from a mass produced car only.

Vehicle Weight

The minimum racing weights for HMSS vehicles are listed below:

Capacity	Minimum Weight
Up to 3500cc	1100kg
4000cc	1150kg
5000cc	1250kg
6000cc	1300kg

Adjustments to this equivalency table may be made from time to time to maintain parity.