

HEAVY METAL CLASS TAR

HM1	Eligibility of vehicle and bodies:
1.1	Any car- or LDV (Bakkie) body will be permitted.
1.2	Any six- or eight cylinder car engine, commercially sold, will be permitted.
1.3	Only original road going vehicles will be allowed. This means no space frame or semi-space frame vehicles.
1.4	Body and engine can be from different manufacturers.
1.5	Only front fenders, doors, boot lids and bonnets may be replaced with fiber glass panels.
1.6	The firewall may be cut to accommodate the engine back:
HM2	Safety:
2.1	NON contact racing.
2.2	Ensure that all joints in construction are welded properly;
2.3	Sump, gearbox and differential plugs are to be wired securely;
2.4	No in car adjustments permitted, with the exception of brake balancing;
2.5	Interior mirrors allowed
HM3	Bumpers:
3.1	Only internal bumpers permitted. Only plastic or fiber glass bumpers must be fitted externally (fiber glass
3.2	bumpers not exceeding 3mm in thickness Sill protectors are permitted, but no nerve bars are permitted.
HM4	Brakes:
4.1	Only factory fitted brake system permitted.
4.2	No ABS or any other electronic driving aids is permitted;
4.3	Paddle box and master cylinder free.
HM5	Car construction:
5.1	Front- and rear wheel drive cars are permitted.
5.2	Front wheel drive cars may not be converted to rear wheel drive cars or vice versa.
5.3	Four wheel drive vehicles are not permitted.
5.4	Only Right hand drive vehicles permitted
HM6	Dimension and weights:
6.1	All four wheels of the vehicle must fit within the body of the vehicle.
6.2	The minimum weight shall be 1100kg incl driver
HM7	Engine:
7.1	Only six- cylinder piston driven engines will be permitted.
7.2	Max 200KW A Class fly wheel power , Bclass 150kw flywheel power
7.3	Turbo and super charging is prohibited.
7.4	Only standard, factory fitted rockers and lifters may be used.
7.5	Engine compression may be increased - skimming of head and block allowed.
7.6	The stroke may not be changed.
7.7	Only commercially sold pistons are allowed. (020, 040, 060)(No aftermarket racing pistons allowed).
7.8	Air cleaners and filters are free.
7.9	Cam Adjustments by means of Vernier Gear, permitted.
7.10	<u>Carburetor engines:</u>
7.10.1	Original carburation (i.e. factory fitted) is allowed.
7.10.2	This carburation can only be replaced with one, four barrel down-draft Carburetor, or two, two barrel down-draft Carburetors.
7.10.3	Cams are free in these engines.
7.10.4	Heads can be gas flowed in these engines.
7.11	<u>Fuel injection engines:</u>
7.11.1	Fuel injection is allowed.
7.11.2	The original intake and throttle bodies must be retained.
7.11.3	An aftermarket ECU is permitted.
7.11.4	Cams are free in these engines.
7.11.5	No gas flow allowed in these engines.
7.12	<u>Multivalve engines:</u>

7.12.1	Fuel injection is allowed.
7.12.2	The original intake and throttle bodies must be retained.
7.12.3	An aftermarket ECU is permitted.
7.12.4	Modified cams allowed in these engines A class
7.12.5	Gas flow allowed in these engines for A class
7.13	Engine position – refer to CR 8. <u>Additions:</u> A Class 200kw max rule B Class 150kw max rule OPEN CAR ENGINE COMBINATION
HM8	Exhausts:
8.1	Banana Branches are allowed and exhausts must comply with the noise level prescribed.
HM9	Fuel, Fuel management and carburetion:
9.1	Racing- and pump fuel permitted.
9.2	Methanol is not permitted;
HM10	Suspension:
10.1	Shocks can be interchanged as long as it is a shock that was originally fitted to a commercially sold vehicle. The original mounting points on shock, body and suspension to stay the same.
10.2	Only vehicle specific suspension components may be used (e.g. BMW 535 suspension parts cannot be fitted to a BMW 740 or a Ford Sierra).
10.3	The lowering of the car will be permitted. Ride-height adjustment is free.
10.4	Coil springs is free;
10.5	Steering box and racks may be inter- changed.
10.6	Control arms may be altered and replaced by after-market product (Control arms must be mounted on original chassis position) <u>Additions:</u> Only A class Fully adjustables
HM11	Transmission:
11.1	Only commercially sold transmissions will be permitted.
11.2	Differentials may be locked, but no limited slip differentials will be allowed.
11.3	Diff ratios may be altered. Centre portion of independent differentials and mounting there-of is free
11.4	Button Clutch will be permitted.
11.5	Lightened flywheels will be permitted.
HM12	Wheels and Tyres:
12.1	FM 800 ONLY 205/60/15 or 195/50/15
12.2	Tyres must be freely available from any tyre dealer;
12.3	Tyres may not bare the inscription “not for highway use, for racing purpose only”.
12.4	Under no circumstances may any names or sizes be buffed off from the tyre walls.
12.5	Dunlop block pattern allowed for the Dirt oval drivers
12.6	Tyres will be a maximum of 15 inch (8J)
12.7	Wheels may protrude up to 50 mm outside body width.