

HEAVY METAL CLASS (DIRT) HM

<p>HM1 1.1 1.2 1.3 1.4 1.5 1.6</p>	<p><u>Eligibility of vehicle and bodies:</u> Any car- or LDV (Bakkie) body will be permitted. Any six- or eight cylinder car engine, commercially sold, will be permitted. Only original road going vehicles will be allowed. This means no space frame or semi-space frame vehicles. Body and engine can be from different manufacturers. Only front fenders, doors, boot lids and bonnets may be replaced with fiber glass panels. The firewall may be cut to accommodate the engine back:</p>
<p>HM2 2.1 2.2 2.3 2.4 2.5</p>	<p><u>Safety:</u> NON contact racing. Ensure that all joints in construction are welded properly; Sump, gearbox and differential plugs are to be wired securely; No in car adjustments permitted, with the exception of brake balancing; Interior mirrors allowed</p>
<p>HM3 3.1 3.2</p>	<p><u>Bumpers:</u> Only internal bumpers permitted. Only plastic or fiber glass bumpers must be fitted externally (fiber glass bumpers not exceeding 3mm in thickness Sill protectors are permitted, but no nerve bars are permitted.</p>
<p>HM4 4.1 4.2 4.3</p>	<p><u>Brakes:</u> Only factory fitted brake system permitted. No ABS or any other electronic driving aids is permitted; Paddle box and master cylinder free.</p>
<p>HM5 5.1 5.2 5.3 5.4</p>	<p><u>Car construction:</u> Front- and rear wheel drive cars are permitted. Front wheel drive cars may <u>not</u> be converted to rear wheel drive cars or vice versa. Four wheel drive vehicles are <u>not</u> permitted. Construction must conform to Dirt4sa Construction Regulations.</p>

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5.5	Right hand vehicle may be converted to Left hand drive.
HM6	<u>Dimension and weights:</u>
6.1	All four wheels of the vehicle must fit within the body of the vehicle.
6.2	The minimum weight shall be 950kg for six cylinder cars and 1050kg for eight cylinder cars.
HM7	<u>Engine:</u>
7.1	Only six cylinder piston driven engines will be permitted.
7.2	Only engines of 15 years and older with an original output of 220kW or less will be allowed.
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 <u>one</u> , four barrel down-draft Carburetor, or <u>two</u> , 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.
7.12.5	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	Only standard cams allowed in these engines.
7.12.5	No gas flow allowed in these engines.

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7.13	Engine position – refer to CR 8.
HM 8 8.1	<p><u>Exhausts:</u> Banana Branches are allowed and exhausts must comply with the noise level prescribed.</p>
HM 9 9.1 9.2	<p><u>Fuel, Fuel management and carburetion:</u> Racing- and pump fuel permitted. Methanol is <u>not</u> permitted;</p>
HM 10 10.1 10.2 10.3 10.4 10.5 10.6	<p><u>Suspension:</u> 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. 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). The lowering of the car will be permitted. Ride-height adjustment is free. Coil springs is free; Steering box and racks may be inter- changed. Control arms may be altered and replaced by after-market product (Control arms must be mounted on original chassis position)</p>
HM 11 11.1 11.2 11.3 11.4 11.5	<p><u>Transmission:</u> Only commercially sold transmissions will be permitted. Differentials may be locked, but no limited slip differentials will be allowed. Diff ratios may be altered. Centre portion of independent differentials and mounting there-of is free Button Clutch will be permitted. Lightened flywheels will be permitted.</p>
HM 12 12.1 12.2	<p><u>Wheels and Tyres:</u> Normal, road legal tyres, new, second hand or re-tread are permitted; Tyres must be freely available from any tyre dealer;</p>

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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	Rally tyres are permitted.
12.6	Tyres will be a maximum of 15 inch (8J) with a maximum width of 205 as indicated on the tyre wall.
12.7	Wheels may protrude up to 50 mm outside body width.
HM 13	<u>Wings:</u>
13.1	<u>Wings are permitted.</u>