



WORLD OF MOTORSPORT ZA

P.O. Box 12387, Brakpan North, 1545
 18 Main Reef Rd Brakpan (on the premises of Rock Raceway)
 Tel: 011-740 1206 / 740 8315 Fax: 086 508 2388 email: womza@telkomsa.net
www.womzasa.co.za

2016 – 2017 2 LITRE (2100CC) CLASS (DIRT) MS

The rule of what is not specifically allowed is not permitted; refer to WOMZA Dirt Oval Technical Consultants for further clarity on the matter.

Introduction:

Competitor age restriction: 1660 MODIFIED SALOON CLASS

- Minimum age 13 years old for club level entries only;
- Competitor's minimum age - 14 years old are permitted to enter into this class at regional and national level with the approval of their promoter and local TC Representative.
- Reference to length and widths in the regulations shall be defined as, length, measure in the direction of, from the front of the vehicle to the back and width being measured from left to right of the vehicle;

MS1	<u>Eligibility of vehicle and bodies:</u>
1.1	Any saloon car body, station wagons and panel vans are permitted;
1.2	LDV's not permitted;
1.3	Any saloon body replicas may be constructed as a space frame maybe constructed as a space frame with a panel being in solid shape, patchwork pieces making up a panel will not be permitted;
1.4	The body utilized shall have been powered by a three or four-cylinder piston driven engine;
1.5	The use of an engine originating from another model, manufactured by the same manufacturer or the use of an engine from another manufacturer shall be permitted, provided that such engine complies to MS7, e.g. (Nissan engine in a Ford Escort body); Engines, Gearboxes and Diffs may only be utilized if 5000 units have been sold worldwide;
1.6	
MS2	<u>Safety:</u>
2.1	Limited contact racing as described;
2.1.1	Limited contact shall mean nothing more than the coming together of vehicles caused by close racing, minimal shunting and nudging shall be permitted due to close racing;
2.1.2	Upon contact being made unintentionally or accidentally, the following vehicle shall leave enough space for the leading vehicle to regain its position on the track;
2.1.3	In limited contact, the intention is to permit minimal contact but the contact shall not be forceful enough to cause the lead vehicle to be placed in a different race line involuntarily;
2.1.3	Ensure that all joints in construction are welded properly – minimum 75%;
2.1.3	Sump, gearbox and differential plugs are to be wired securely;
2.2	The installation of Fire extinguishers shall remain optional, however, it is highly recommended to have fire extinguishers fitted in the competitor compartment. All
2.3	installations have to be well secured thus prevent the extinguisher from dislodging upon an
2.4	impact;
2.4	No in car adjustments permitted, with the exception of brake balancing;



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2.5	
MS3	<u>BUMPERS:</u>
3.1	No external steel bumpers permitted, refer to internal bumper regulation;
3.2	Internal bumpers
3.2.1	Internal bumpers – piping material used shall have a maximum outside diameter of 38mm and a maximum wall thickness of 2mm;
3.2.2	The internal bumper shall be shaped in accordance of the vehicle’s front silhouette; Additional radiator protection may be installed internally with no more than 4 mounting points;
3.2.3	Vehicles that are manufactured with steel bumpers must be replaced with plastic or fibre glass bumpers, fitted with a single 38mm x 2mm pipe inside
3.2.4	shaped according to the bumper;
3.3	Only plastic or fibre glass bumpers not exceeding 3mm thick may be fitted externally for cosmetic purposes only, no steel stiffeners permitted;
3.4	No piping to protrude outside of bodywork;
MS4	<u>BRAKES:</u>
4.1	Single or twin pot brake calipers may be used on the front or rear wheels;
4.2	Brake calipers have to originate from production road going vehicles;
4.3	Single or twin pot calipers may be used to replace drum brakes on the rear wheels;
4.4	No ABS or any other electronic driving aids is permitted;
MS5	<u>CAR CONSTRUCTION:</u>
5.1	Front wheel drive cars may be converted to rear wheel drive cars and vice versa; Competitors who so wish to convert rear wheel to front wheel and vice versa, shall contact the Womza TC’s for inspection and upon their approval the change will be noted in the scrutiny book;
5.2	
5.3	Four-wheel drive vehicles not permitted;
MS6	<u>DIMENSION AND WEIGHTS:</u>
6.1	All four wheels of the vehicle must fit within the body of the vehicle, which in turn must comply with the maximum dimensions of the vehicles;
6.2	Maximum vehicle length permitted is 5000mm. (5m);
6.3	Maximum vehicle width permitted is 2000mm. (2m);
6.4	Weight – The vehicle may be weighed anytime and must comply to a minimum weight of 800kg including driver, but excluding weight of fire extinguishers and fluid free;
MS7	<u>ENGINE:</u>
7.1.1	Engines, blocks and cylinder heads utilized will only be permitted, if more than 5000 units were sold worldwide;
7.1.2	Three or four cylinder 4 stroke piston driven 8 valve single cam engine, overhead valve or overhead cam permitted;
7.1.3	Maximum volume 2100cc, with no tolerance;
7.1.4	Engines may be solid mounted;



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7.1.5	After market fuel management systems permitted;
7.1.6	No aftermarket Throttle bodies permitted, they must originate from a production road going vehicle;
7.1.7	Maximum - 45mm Throttle Body per cylinder;
7.1.8	Maximum – 65mm single throttle body
7.1.9	Maximum - 48mm Carbs;
7.1.10	Air cleaners are free;
7.1.11	The rear face of the engine is where the bell housing and engine meet. The rear face will not be more than 600mm back from the centre line of the front wheels;
7.1.12	Front wheel drive engines to remain in the original position;
7.1.13	No turbo or superchargers or any form of forced induction is permitted;
7.1.14	Removal of alternators or charging systems is permitted;
7.1.15	No motorcycle engines permitted;
7.1.16	Dry sumps are permitted;
7.2	<u>16 VALVE UNITS:</u>
7.2.1	Limited to a maximum of 2000cc
7.2.2	Standard bore plus 60thousand oversize for multivalve units;
7.2.3	No Honda engines allowed.
7.2.4	The VVL SR20V up graded motor not permitted, no N1 cams permitted in the VVL engines;
7.2.5	The use of Methanol is prohibited; it will only be advised at the end of 2016;
7.2.6	Only original throttle body and intake manifold may be used;
7.2.7	After market management systems permitted;
MS8	<u>Exhausts:</u>
8.1	Banana Branches is allowed and exhausts must have silencers and comply with the noise level prescribed;
8.2	Maximum decibels 108, measured 1metre away at 5000rpm;
MS9	<u>Fuel, Fuel management and carburetion:</u>
9.1	Fuel is open
9.1.1	No Methanol permitted in the Multi Valve units;
9.2	See MS 2.4;
9.3	Carburettors are open;
9.4	No slide throttle bodies permitted;
9.5	Fuel injection open, management systems and injectors are permitted;
MS10	<u>STEERING AND SUSPENSION:</u>
10.1	Steering racks and steering boxes, or quick ratio versions thereof, power steering from production vehicles are all permitted;
10.2	Suspension designs are free;
10.3	Rose joints are permitted;
10.4	2,3,4,5,6 link rear suspension permitted;
10.5	Spring adjustments are permitted;
10.6	Gas shocks permitted within this range;
10.7	Single adjustment competition shock will be permitted;
10.8	Suspension designs are free;



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10.9	Spring adjustments will be permitted;
10.10	The use of a biscuits or a damper [90-10] shock is permitted;
MS11	<u>TRANSMISSION:</u>
11.1	Differentials utilized will only be permitted if more than 5000 units were sold worldwide;
11.2	Any gear ratios permitted;
11.3	After market gear sets are permitted;
11.4	No sequential gearboxes permitted;
11.5	Clutches open;
11.6	Any Diff ratios permitted;
11.7	Only standard differentials and gearboxes are permitted;
11.8	Locked differentials are permitted;
11.9	Limited slip differential are permitted;
MS12	<u>WHEELS AND TYRES:</u>
12.1	Normal, road legal tyres new or re-tread permitted;
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	Rally tyres are permitted;
12.6	Rims 13,14 or 15 inch Tyres; Maximum width of 205 are permitted;
12.7	All tyres must be presented at scrutineering;
12.8	The use of bead lock rims are open;
MS13	<u>WINGS:</u>
13.1	Wings are permitted, / optional;
13.2	Wings may not exceed the body width or exceed past the rear of the vehicle; It follows that the wings shall in all instances not protrude past the body of the vehicle;
13.3	Wing end plates to be a maximum of 500mm x 500mm;
13.4	Vertical plates permitted shall not exceed 4 x vertical plates;
13.5	The horizontal vane may not exceed 500mm in length;
13.5.1	Only one vane permissible;
13.6	Wing to be mounted from "B" pillar backwards;
13.7	Height of wing should be no higher than 300mm from the highest point of the roof to the highest part of the vane;
13.8	Vertical plates permitted shall not exceed 4 x vertical plates;



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2 LITRE MODIFIED CLASS (SR) DIRT

INDEX / CROSS REFERENCE TO CLASS REGULATION

	Description		Permitted	Not Permitted
1	Mechanical fuel injection.		X	
2	Roller rockers			X
3	Changed Rocker ratio			X
4	Aluminum fly wheel		X	
5	Electric water pump PERMITTED		X	
6	Electric fuel pump		X	
7	Pulley sizes		X	
8	Piston and rings		X	
9	Conrods		X	
10	Crankshaft		X	
11	Compression ratio		X	
12	Bore and stroke ratio (2100cc maximum)		X	
13	Valves		X	
14	Tappet covers		X	
15	Sump volume and design		X	
16	Camshaft		X	
17	tba			
18	Fuel pressure regulator		X	
19	Weber and Dell'orto carb parts interchangeable		X	
20	Clutch Plate – Button clutch plates		X	
21	Pressure plate ANY (eg. Tilton)		X	
22	Ignition system		X	
23	Branches		X	
24	Camshaft drive		X	
25	Dry sump		X	
26	Forced induction (turbo -, supercharger)			X
27	Throttle bodies		X	
28	Wish bone suspension front		X	
29	Independent rear suspension		X	
30	3-4-5-6 link suspension		X	
31	Locked diff.		X	
32	Limited slip diff.		X	
33	Front wheel drive space frame.		X	
34	Induction and ram tubes.		X	
35	Air boxes.		X	
36	Station wagon and panel van		X	
37	WINGS AS PER RULE		X	
38	Single caliper per wheel maximum 4 calipers per vehicle		X	



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39	Single shock per wheel, maximum 4 shocks per vehicle		X	
40	Steering mechanism		X	
41	Wings not to be adjusted while driving, can be adjusted in pits		X	
42	Removal of alternators or charging systems is permitted		X	