



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 FLEXI CLASS (DIRT AND TAR)FX

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:

- 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;

FX1 ELIGIBILITY OF VEHICLE AND BODIES:

- 1.1** Hand built bodies (Flexi's) are acceptable on condition that the vehicles are recognizable as a car;
- 1.2** Only rear wheel drive permitted;

FX2 SAFETY AND DRIVING STYLES:

DRIVING STYLES:

2.1 TAP AND SPIN AS DESCRIBED – NATIONAL RULE:

- 2.1.1** Vehicles may, only be spun towards the inside of the track;
- 2.1.2** Spinning off is only permitted from the corner marker to the middle of the following straight – Spinning out Apexes;
- 2.1.3** The Clerk of the Course shall exclude competitors who spin vehicles to the outside of the track or outside the spinning zone;
- 2.1.4** No contact, bumping, or shunting is permitted at the end of the straight upon entering the corners;
- 2.1.5** Passing manoeuvres and non-contact shall however be permitted;
- 2.1.6** Once a vehicle has been passed/overtaken, the vehicle that was passed may not interfere with the leading vehicle for the first corner and straight or the first straight and corner;
- 2.1.7** Contact is only permitted inside the spinning zone;
- 2.1.8** There shall be no contact made in the first lap or the first corner after a restart, offenders will be placed to the back of the pack;
- 2.1.9** There shall be no contact made in the last corner, offenders will earn the last position points and dependent on the severity of the take out, may be disqualified for that particular heat;

2.2 SAFETY

- 2.3** Ensure that all joints in construction are welded properly;
- 2.4** Sump, gearbox and differential plugs are to be wired securely;



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2.5	The installation of Fire extinguishers shall remain optional, however, it is highly recommended to have fire extinguishers fitted in the competitor compartment;
2.6	All installations have to be well secured thus prevent the extinguisher from dislodging upon an impact.
2.7	Ensure that all joints in construction are welded properly;
2.8	Sump, gearbox and differential plugs are to be wired securely;
FX3	<u>BUMPERS:</u>
3.1	<u>BUMPERS FRONT:</u>
3.1.1	Bumpers must be mounted with four mounting points, inclusive of the mounting to the internal pipe;
3.1.2	Bumpers will have 2 horizontal pipes, and 4 uprights, 2 of the uprights shall be placed in the corners of the bumper. The other 2 uprights shall be placed at the point from the corner and the center of the vehicle on both sides;
3.1.3	Bumpers may not extend rearward of a point in line with the rear edge of the tyre of the front wheels, and must be rounded back to the internal bumper mounting pipe via a bolt on flange or welded where it enters the body of the vehicle;
3.1.4	The 2 pipes shall be angled to join each other at the point where they enter the body, either the upper or the lower pipe shall remain horizontal when viewed inside elevation;
3.1.5	Bumpers must be 400mm-500mm above ground level, subject to a tolerance of 50mm;
3.1.6	The 2 horizontal pipes must be a maximum 200mm apart;
3.2	<u>REAR BUMPERS:</u>
3.2.1	Bumper must be mounted with 6 mounting points, inclusive of the mounting to the internal pipe;
3.2.2	Bumpers will have 2 horizontal pipes, and 4 uprights, 2 of the uprights shall be placed in the corners of the bumper. The other 2 uprights shall be placed at the centre point from the corner and the center of the vehicle on both sides;
3.2.3	Bumpers may not extend forward past the center of the rear wheels, and must be rounded back to the internal mounting pipe via a bolt-on-flange or welded arrangement where it enters the body either the upper or the lower pipe shall remain horizontal when viewed in side elevation;
3.2.4	Bumpers must be 400mm-500mm above ground level, subject to a tolerance of 50mm;
3.2.5	The 2 horizontal pipes must be 200mm apart;
3.2.6	Max size pipe used 38mm x 2mm for front and rear bumpers;
3.3	<u>SISSY BARS:</u>
3.3.1	Pipe size 38mm x 2mm;
3.3.2	To be mounted inline with front and rear bumper (500mm off the ground level) Sissy bars shall have 3 vertical supports bolted or welded;
3.3.3	Wedge shaped vehicles may retain their entry through the roof;
FX4	<u>BRAKES:</u>
4.1	Brakes on all four wheels;



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4.2	No ABS brake systems or electronic driving aids permitted;
4.3	Brake balancing permitted;
4.4	Up to 4 pot calipers may be used on front and rear wheels;
FX5	<u>CAR CONSTRUCTION:</u>
5.1	<u>BODY WORK</u>
5.1.1	Flexi / Wedge shape vehicles shall be constructed using the following sizes and thickness of materials;
5.1.2	Metal: Maximum 1mm thick;
5.1.3	Aluminum: Maximum 1.6mm thick;
5.1.4	Fibreglass: or similar composite materials are permitted: maximum 6mm thick;
5.2	<u>CHASSIS:</u>
5.2.1	The chassis of a light delivery vehicle may be utilized, provided that the maximum load Capacity thereof did not exceed one ton;
5.2.2	Self built chassis are permitted;
5.2.3	The material to be used to construct the chassis shall be square tubing a minimum of 38mm x 38mm x 2mm;
5.2.4	The balance of construction: the material used shall not exceed the following sizes;
5.2.5	Square tubing 50mm x 50mm x 3mm;
5.2.6	Piping 50mm x 3mm;
FX6	<u>DIMENSION AND WEIGHTS:</u>
6.1	The vehicle may be weighed at any time and must comply to the prescribed minimum weights which includes the competitor and excludes the fire extinguisher and all fluids;
6.2	6 Cylinders minimum of 950kg;
6.3	V8 minimum of 1050kg;
FX7	<u>ENGINE:</u>
7.1	Any modifications may be made to the engine, gearbox and suspension;
7.1.1	Only six and eight cylinder engines may be utilized, forced induction (turbo chargers and super chargers permitted);
7.1.2	Flywheels and clutches open in this class;
7.1.3	A maximum of 410 cubic inch may be used;
7.1.4	Removal of alternators or charging systems is permitted;
7.2	<u>ENGINE POSITIONS:</u>
7.2.1	The rear face of the engine block may not protrude beyond the centre line of the wheelbase;
7.3	<u>IGNITION SYSTEMS:</u>
7.3.1	Aftermarket ignition systems are permitted;



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FX8	<u>EXHAUST:</u>
8.1	Exhaust outlet must face downwards underneath the vehicle;
8.2	All piping shall be secured with saddles, preventing exhaust pipes from coming free in the event of it breaking off;
8.3	Exhaust tail pipes passing out the side of the vehicle may only do so at a maximum height of 450mm, measured from the top of the pipe to the ground;
8.4	Branches / manifolds open;
FX9	<u>FUEL, FUEL MANAGEMENT AND CARBURETION:</u>
9.1.1	Fuel is open
9.1.2	The installation of Fire extinguishers shall remain optional, however, it is highly recommended to have fire extinguishers fitted in the competitor compartment. All installations have to be well secured thus prevent the extinguisher from dislodging upon an impact;
9.2	<u>CARBURATION:</u>
9.2.1	Fuel injection permitted;
9.2.2	Carburetor open;
9.2.3	No slide throttle bodies may be used;
FX10	<u>STEERING AND SUSPENSION:</u>
10.1	Rose joints are permitted;
10.2	2, 3, 4,5, 6 link rear suspension allowed;
10.3	Spring adjustment will be permitted;
10.4	Any shock absorbers permitted;
10.5	A maximum of 4 shocks in total per vehicle will only be permitted;
10.6	Suspension are free;
FX11	<u>TRANSMISSION:</u>
	<u>DIFFERENTIALS:</u>
11.1	Only production vehicle differentials allowed;
11.2	Limited slip differentials permitted;
11.3	<u>GEARBOXES:</u>
11.3.1	Any production vehicle gearbox permitted;
11.3.2	Gear box, gear ratios and gear sets are free;
FX12	<u>Wheels and Tyres:</u>
12.1	Rally tyres are permitted, with a maximum size of 205x15;
12.2	Any freely available tyre at a general tyre dealer permitted;
12.3	Maximum road legal tyre size 205mm, rim size up to 15, 16, 17" x 8J;
12.4	Wheels may not protrude beyond the bodywork; tba



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FX13

WINGS:

- 13.1 Wing end plate size is a maximum of 500mm and 500m;
- 13.2 Wing to be mounted from “B” pillar backwards;
- 13.2.1 Wing to be mounted 200mm above rear of the car, the wing may not be higher than 300mm above the roof of the vehicle;
- 13.3 Height of wing from the highest point of the roof is a maximum of 300mm;
- 13.4 Wings are **not** allowed to be wider than the width of the vehicle;
- 13.5 The vane shall be a maximum of 300mm in length;