



# 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 LEXUS CLASS (DIRT AND TAR)LX

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;

<b>LX1</b>	<b><u>ELIGIBILITY OF VEHICLE AND BODIES:</u></b>
<b>1.1</b>	Only hand built bodies (Flexi's) are acceptable;
<b>1.2</b>	Only rear wheel drive permitted;
<b>LX2</b>	<b><u>SAFETY:</u></b>
<b>2.1</b>	<b><u>DRIVING STYLES:</u></b>
<b>2.1</b>	<b><u>TAP AND SPIN AS DESCRIBED – NATIONAL RULE:</u></b>
<b>2.1.1</b>	Vehicles may, only be spun towards the inside of the track;
<b>2.1.2</b>	Spinning off is only permitted from the corner marker to the middle of the following straight – Spinning out Apexes;
<b>2.1.3</b>	The Clerk of the Course shall exclude competitors who spin vehicles to the outside of the track or outside the spinning zone;
<b>2.1.4</b>	No contact, bumping, or shunting is permitted at the end of the straight upon entering the corners;
<b>2.1.5</b>	Passing manoeuvres and non-contact shall however be permitted;
<b>2.1.6</b>	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;
<b>2.1.7</b>	Contact is only permitted inside the spinning zone;
<b>2.1.8</b>	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;
<b>2.1.9</b>	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;
<b>2.2</b>	<b><u>SAFETY</u></b>
<b>2.2</b>	Ensure that all joints in construction are welded properly;
<b>2.3</b>	Sump, gearbox and differential plugs are to be wired securely;
<b>2.4</b>	The installation of Fire extinguishers shall remain optional, however, it is highly recommended to have fire extinguishers fitted in the competitor compartment. All
<b>2.5</b>	



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2.6	installations have to be well secured thus prevent the extinguisher from dislodging upon an impact.
LX3	<b><u>BUMPERS:</u></b>
3.1	<b><u>BUMPERS FRONT:</u></b>
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;
3.1.7	All vehicles must have external bumpers;
3.2	<b><u>REAR BUMPERS:</u></b>
3.2.1	Bumper must be mounted with a minimum of 4 and maximum of 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
3.2.4	where it enters the body either the upper or the lower pipe shall remain horizontal when viewed in side elevation;
3.2.5	Bumpers must be 400mm-500mm above ground level, subject to a tolerance of 50mm;
3.2.6	The 2 horizontal pipes must be 200mm apart;
3.3	Max size pipe used 38mm x 2mm for front and rear bumpers;
3.3.1	<b><u>SISSY BARS:</u></b>
3.3.2	Pipe size 38mm x 2mm;
3.3.3	To be mounted inline with front and rear bumper (500mm off the ground level) Sissy bars shall have 3 vertical supports bolted or welded; Wedged shaped vehicles may retain their entry through the roof.
LX4	<b><u>BRAKES:</u></b>
4.1	Brakes on all four wheels;
4.2	No ABS brake systems or electronic driving aids permitted;
4.3	Brake balancing permitted, only between front and rear not from side to side;
4.4	Only 2 pot calipers allowed.
4.5	Maximum disk size OD 280mm;
LX5	<b><u>CAR CONSTRUCTION:</u></b>
5.1	<b><u>BODY WORK</u></b>
5.1.1	Flexi / Wedge shape vehicles shall be constructed using the following sizes and thickness



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5.1.2	of materials; Metal: Maximum 1mm thick;
5.1.3	Aluminum: Maximum 1.6mm thick;
5.1.4	Glass Fibre;
5.2	<b><u>CHASSIS:</u></b>
5.2.1	Self-built chassis are permitted, the material to be used to construct the chassis shall be square or round tubing;
5.2.2	38mm x 38mm x 2mm;
5.2.3	Wheelbase minimum 2.3m – maximum 2.5m in length and width left to right 1.8m maximum;
LX6	<b><u>DIMENSION AND WEIGHTS:</u></b>
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	Vehicle weight a minimum of 1050kg;
LX7	<b><u>ENGINE:</u></b>
7.1	Only standard Lexus engines 1UZ, the VVTI engine is not permitted, with automatic gearboxes are permitted;
7.2	<b><u>MANAGEMENT SYSTEMS</u></b>
7.2.1	Only standard Throttle Body permitted;
7.2.2	After market management systems allowed;
7.2.3	Engine restrictor plate compulsory as per specification - TBA;
7.2.4	Only standard type throttle body may be used, maximum size 70mm;
	<b><u>ENGINE POSITIONS:</u></b>
7.3	The rear face of the engine block may not protrude beyond the centre line of the wheelbase;
7.3.1	
LX8	<b><u>EXHAUST:</u></b>
8.1	Only standard manifolds may be used;
8.2	The rear flange of the manifold may be removed;
8.3	A balancing pipe may be fitted;
8.4	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;
LX9	<b><u>FUEL, FUEL MANAGEMENT AND CARBURETION:</u></b>
9.1	Pump fuel only-performance enhancing additives permitted;
	<b><u>CARBURATION:</u></b>
9.2.1	Only standard Fuel injection systems are permitted;
LX10	<b><u>STEERING AND SUSPENSION:</u></b>
10.1	Any tape of double wishbone front suspension may be used as well as 123 and 124 Mercedes front suspensions may be used;
10.1.1	Coil springs are free no coil overs allowed;
10.1.2	Self manufactured suspension may be used; The use of one rose joint per side will be



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<p><b>10.2</b>  <b>10.3</b>  <b>10.3.1</b>  <b>10.3.2</b>  <b>10.3.3</b>  <b>10.4</b>  <b>10.5</b></p>	<p><b>allowed;</b>          No competition shocks may be used;          A maximum of 4 shocks in total per vehicle will only be permitted;  <b>Only oil and gas filled shocks allowed; No bump and rebound adjustment allowed;</b>  <b>Power steering box, rack or normal steering rack may be used;</b>          Anti-rollbar not permitted;          Only two rose joints permitted;  <b>Only Mercedes 114, 115 and 123 and 124 rear suspensions may be used</b></p>
<p><b>LX11</b>  <b>11.1</b>  <b>11.2</b>    <b>11.4</b>  <b>11.4.1</b></p>	<p><b><u>TRANSMISSION:</u></b>          No limited slip differentials permitted;          Only standard talk convertors are permitted;    <b><u>GEARBOXES:</u></b>          Only automatic boxes permitted – no changes allowed;</p>
<p><b>LX12</b>  <b>12.1</b>  <b>12.2</b>  <b>12.3</b></p>	<p><b><u>WHEELS AND TYRES:</u></b>  <b>Only Dunlop 7000 * tyres may be used;</b>  <b>Only 205 x 60 x 15 and 205 x 65 x 15 are permitted;</b>  <b>This rule comply as long as the tyres are freely available;</b></p>
<p><b>LX13</b>  <b>13.1</b>  <b>13.2</b>    <b>13.3</b>  <b>13.4</b>  <b>13.5</b>  <b>13.6</b></p>	<p><b><u>WINGS:</u></b>          Wing end plate size – maximum of 400mm and 400mm;          Wing to be mounted 200mm above the rear of car, the wing may not be higher than 300mm above the roof of the vehicle;          The length of the vane when measured from front to back may not exceed 300mm;          The vane of the wing may not be lower than 200mm from the body;          Wings are <b>not</b> allowed to be wider than the width of the vehicle;  <b>No boot spoilers or roof spoilers are permitted;</b></p>