



WORLD OF MOTORSPORT ZA

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2017

JUNIOR STOCK ROD CLASS (JSRT) TAR DRAFT

Introduction:

The Junior Stock Rod class is an entry level class for standard sedans or coupe, 2 or 4 door body cars and LDVs which appeared with a 1600 engine or less. Front or rear wheel drive vehicles are permitted. All spare parts fitted to the car shall be used without any alterations and modifications as they come from a road going vehicle. Cars to be used must be in standard form using 8 valve piston engines and gearboxes from the same manufacturer.

The main objective of this class is to promote Oval racing in the most cost efficient way by means of using stock standard saloon cars with minimum alterations.

Minimum age – Competitor must turn 10 in the respective Year in which he/she enters this Class and must leave this class in the Year that they turn 16. Competitors promoted prematurely to the Stock Rod class MAY NOT return to this class. This is a Club Championship Class only.

Only modifications specifically stated shall be allowed, anything not stated in these rules are not permitted.

WOMZA is aware that many of the vehicles in this class are of an age where it is not always possible to find spares within the regulations.

In such instances competitors must submit a Written Application of Dispensation (WAP) to WOMZA. WOMZA will review this request and will provide approval in writing should the dispensation be approved. Each instance will be judged on merit.

The onus is on the Competitor to place this Dispensation approval in his license book and to present it when questioned. WOMZA reserves the sole right to make these decisions and Competitors who do not present a written Letter of Dispensation will be competing in a car that contravenes regulations.

THESE RULES ARE STRICTLY ENFORCED AS OF 1 DECEMBER 2016

JSRT 1.	<u>CAR CONSTRUCTION</u>
1.1	Only vehicles of a road going use are permitted;
1.2	Space Frame and Semi Space frame Vehicles are not permitted;
1.3	Chassis and Sub Frame must exist in its entirety;
1.4	Repaired Chassis may only be done with materials not exceeding 1 mm thickness;
1.5	Silhouette to remain unaltered;
1.6	Wheelbase to remain standard;
1.7	Sunroof openings to be closed;
1.8	Bonnets may not be cut to accommodate air cleaners;
1.9	Firewall may be cut to accommodate the Carburetor and Exhaust system only;
1.10	Front Valance may be reinforced by plating no thicker than 1 mm;

<p>1.11 All interior trim must be removed;</p> <p>1.12 Inner door panels may be removed;</p> <p>1.13 Rear of car may be closed with plating to create separate compartment for the fuel tank;</p> <p>1.14 Fibre glass panels are prohibited; Cosmetic Panels)Bonnet, Boot Lid, Fenders, and doors) may be replaced with fiberglass providing the original silhouette is retained.</p> <p>1.15 Wheel arch spads are permitted.</p> <p>1.16 These spads may not protrude more than 50 mm and may only be manufactured from fibre glass.</p> <p>1.17 No skirts are permitted Fibreglass spads are permitted provided they are rounded at the point where they reach the front and rear fenders. They may NOT form sharp edges and scrutineers may request for offending parts to be removed before allowing participation.</p> <p>1.18 Fibreglass body repairs are permitted;</p> <p>1.19 Top of wheels may not protrude beyond the spads when viewed from above;</p> <p>1.20 Only ORIGINAL bumpers and original bumper stiffeners are permitted.</p> <p>1.21 Engines must be mounted in original position;</p> <p>1.22 Fuel Tanks must be covered if they are not placed behind “boot plate”;</p>	
<p>JSRT 2.</p> <p>2.1</p> <p>2.2</p> <p>2.3</p>	<p><u>Roll Cage and Frame</u></p> <p>Roll cage refer to Technical Regulations;</p> <p>Full roll cage to be fitted, may support rear of front strut tower, but not further than rear strut tower;</p> <p>Strut braces are permitted between lower control arms and between strut towers.</p>
<p>JSRT 3.</p> <p>3.1</p> <p>3.2</p> <p>3.3</p> <p>3.4</p> <p>3.5</p>	<p><u>Brakes:</u></p> <p>Brakes should remain standard;</p> <p>No modified pedal boxes are permitted;</p> <p>No ABS brakes are permitted;</p> <p>No rear disk brake to be fitted;</p> <p>Cars with brake drums in front may be changed them with a later model disc brake of the same car.</p>
<p>JSRT 4.</p> <p>4.1</p> <p>4.2</p>	<p><u>Dimension and Weights</u></p> <p>Minimum weight of a stock rod will be 800kg including the driver;</p> <p>All dimensions and specifications must be according to the manufacturer’s specifications as records by the Auto Date Digest unless there is proof of any error in the Auto Data Digest.</p>
<p>JSRT 5.</p> <p>5.1</p> <p>5.1.1</p> <p>5.1.2</p> <p>5.2</p> <p>5.3</p> <p>5.3.1</p> <p>5.3.2</p> <p>5.4</p> <p>5.5</p>	<p><u>Engine:</u></p> <p>Engines may not exceed 1660 CC after reboring to maximum Manufacturer specification;</p> <p>The engine make must match the vehicle type ie Nissan engine in a Nissan body;</p> <p>No engine parts whatsoever will be interchanged between engines, e.g. 1400 to be fitted with a 1400 flywheel and not of a 1200;</p> <p>Electronic ignitions are permitted and restricted with TP100, 500 and 900 modules. Ignition must not be programmable;</p> <p>Carburetion can be altered to a maximum of 38 DCD Weber; by fitting an aftermarket adapter between the carburetor and the intake manifold;</p> <p>No SU Carburetors are Permitted, excepting in the 1275 Leyland Mini;</p> <p>There is no limitation on design or dimensions of adaptor plates.</p> <p>Fuel injection heads permitted,</p> <p>Camshafts are free;</p>

5.6	Vernier camshaft pulleys are not permitted;
5.7	Pulleys and cam keyways may not be slotted to allow for movement and offset keys and
5.8	undersize keys are not permitted;
5.9	Intake manifolds are to remain standard;
5.10	No aftermarket manifolds permitted. Adapter plate between carburetor and intake manifold is permitted;
5.11	No adapter plates may be used between the cylinder head and intake manifold; Sandwich plates between the Cylinder head and Inlet Manifold are permitted provided they have an identical bolting pattern and that their sole purpose is to seal Injector Mounting Grooves.
5.12	Mounting Grooves.
5.13	Intake and exhaust port on cylinder head are to remain standard;
5.14	No port matching;
5.15	No air intake ducting will be allowed;
5.16	Electric water pumps are not allowed;
5.17	Flex plates are not allowed;
5.18	Flywheels to remain standard;
5.19	Aftermarket ignition systems are not allowed;
5.20	Balancing of engines parts is allowed. Crankshafts to remain standard;
5.21	Three angle valve seats are permitted;
5.22	Valves must be standard completely including size and length;
5.23	Only standard valve springs are allowed;
5.24	Valve guides must be standard; Head bolts not to be cut down and additional washers may not be added;
JSRT 6.	<u>Exhausts:</u>
6.1	Branches are permitted;
6.2	Effective silencers are compulsory;
JSRT 7.	<u>Fuel</u>
7.1	Only pump fuel is permitted (ethanol is excluded);
JSRT 8.	<u>Steering and suspension:</u>
8.1	Only commercially available steering racks and steering boxed are allowed, but to remain standard to the vehicle, without modifications;
8.2	No quick ratio versions are allowed;
8.3	Suspension could be altered but only to the left front wheel (top or bottom) but may not be adjustable;
8.4	No adjustable shock absorbers are allowed;
8.5	Only Gabriel; Armstrong or Monroe shock absorbers are allowed if the original Shock absorbers are replaced;
8.6	Rear suspension must remain standard but can be lowered by heating or cutting of the springs (Mini may cut down the cones only front and rear);
8.7	LDV's and rear wheel drive vehicles can make modifications on the rear springs;
8.8	Coil springs are restricted to springs originating from any road going Saloon. Springs may be cut to lower vehicle;
8.9	Competition Springs and Lowering kits are NOT permitted;
8.10	On drivers side a 125mm block must pass under the skirt, excluding the lip edge, from end to end; with the Competitor in the vehicle;
JSRT 9.	<u>Transmission:</u>

9.1	Only standard gearboxes as fitted in factory are allowed;
9.2	On front wheel drive vehicles gearbox of the same make and brand can be interchanged to accommodate ratio problems e.g. A VW Golf gearbox can be fitted to a VW POLO or vice versa but only to accommodate ratio problems;
9.3	On rear wheel drive vehicles the gearbox can be interchange (ford to ford if it is a straight fit, no adapter plates may be used);
9.4	No limited slip differentials are allowed, lock differential by welding only.
JSRT 10.	<u>Wheels and Tyres</u>
10.1	Tyres Restricted to Locally Manufactured Tyres and Imported Road Going Tyres, with a value of less than R1 500.00 excluding VAT, that are commercially available from Commercial Fitment Centers the following size limitations - max width 205mm, 10,12,13,14 and 15 inch apply
10.2	Each competitor is limited to 6 tyres per event;
10.3	This tyre limitation is restricted to the participation in the Heats and Final only and not for practice runs;
10.4	Damaged tyres may be replaced at the sole discretion of the Senior Scrutineer at championship events with used tyres only;
10.5	Each competitor is responsible to ensure that the tyres are adequately marked;
10.6	No Slick or semi slick tyres or compound altering chemicals are permitted;
10.7	Skimming of tyres is strictly prohibited;
10.8	Tyres worn to an extent where 50% of the tread pattern is no longer visible are not permitted;
10.9	Tyres showing any degree of “canvass” or structural damage may not be used.
JSRT 11.	<u>Wings:</u>
11.1	Wings are not permitted;
JSRT 12.	<u>RESTRICTOR PLATE</u>
12.1	A compulsory Restrictor Plate measuring 18/22mm must be fitted between the carburetor and the inlet manifold. Mounting holes may be slotted to accommodate a different bolting pattern.
12.2	This restrictor plate will be sold to each specific Competitor with a serial number. Each plate will be tested in the presence of the Competitor using a 18.05mm and 22.05mm ‘no go’ gauge.
12.3	Competitors using other Competitors cars must obtain their own Restrictor Plate from the Event organizers.
12.4	Any Competitor found competing with a Restrictor Plate that is not registered to them will be excluded from the events results.
12.5	Any Competitor found competing with a Restrictor Plate that does not match the reflected sizes will be excluded from the events results.
12.6	Any Competitor who fails to race with a restrictor plate will be excluded from the event.