



# WORLD OF MOTORSPORT ZA

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## 2L HOTROD EXPERIMENTAL ENGINE DRAFT

The rule of what is not specifically allowed is not permitted, refer to **WOMZA Tar Oval Committee/Technical Consultants** for further clarity on the matter.

### Introduction:

Competitor age restriction: Only competitors 16 years old and over are permitted to enter into this class;

**The aim of these regulations is to introduce a new control engine into the Pinto Class as a result of the escalating cost and lack of availability of spares for the current Pinto engines. It has been decided to introduce both the 2L STI DE and 2L SR 20 VVL Nissan engines as experimental engines. Cars running these engines may participate in all 2015 and 2016 Championships. Competitors using these engines will score points as per the respective Championship.**

### HEE 1.

### Engine



1.1	Restricted to the 2L STI DE and the 2L SR 20 VVL Nissan Engines in 100 % standard form. This means the following:
<b><u>HEE 2</u></b>	<b><u>VALVE AND VALVE SPRINGS</u></b>
2.1	Valves and Valve Springs to remain standard
2.2	Variable valve timing to remain connected where applicable
<b><u>HEE 3</u></b>	<b><u>SUB ASSEMBLY</u></b>
3.1	Sub Assembly to remain standard
3.2	Sump and oil pick up may be modified to accommodate engine mounting in suitable position
<b><u>HEE 4</u></b>	<b><u>Camshaft</u></b>
4.1	Cam Shaft to remain standard
4.2	Cam timing may not be adjusted
<b><u>HEE 5</u></b>	<b><u>Head</u></b>
5.1	Heads may NOT be modified.
5.2	Head may not be skimmed more than 0.25mm
5.3	Aftermarket Kinetic Head Gaskets are permitted
<b><u>HEE 6</u></b>	<b><u>GEARBOX</u></b>
6.1	Engines to be fitted to existing standard 2L Ford 4 or 5 speed Gearboxes ONLY by using adaptor plates,
6.2	The Gearbox bell housing may be cut to accommodate the starter and the existing starter 'bulge' may be removed to allow for room for the exhaust manifold.
6.3	Hydraulic attachments for hydraulic clutch slave cylinders are permitted.
<b><u>HEE 7</u></b>	<b><u>CLUTCH AND PRESSURE PLATE</u></b>
7.1	Clutch and Pressure plates are free including competition units
7.2	Original Flexplates are permitted
<b><u>HEE 8</u></b>	<b><u>Fuel</u></b>
8.1	Restricted to 95 unleaded fuel only
8.2	No additives permitted
<b><u>HEE 9</u></b>	<b><u>EXHAUST MANIFOLD</u></b>
9.1	Exhaust Manifolds are free.
9.2	Effective silencers, of minimum length of 300 mm, are compulsory
<b><u>HEE 10</u></b>	<b><u>PLENUM</u></b>
10.1	Plenum may be modified by removing the blank end and replacing it with the original throttle body and attaching the blank end to the rear of the unit.
10.2	Airboxes, Filters and attachment piping to the plenum is free.
10.3	Ram air feed through bonnet duct is permitted.
<b><u>HEE 11</u></b>	<b><u>FUEL INJECTION AND SPARK MANAGEMENT</u></b>
11.1	Original Injectors to be retained
11.2	Original fuel Pressure Regulator to be Retained
11.3	Additional attachments to plenum may be removed if unused
11.4	Dickator Unit to be used with Limitation to air/fuel mixture (unit to be specified)

11.5	Rev limit needs to be set to 8200. Dictator directive to appear shortly
11.6	60-2 Crank Pick up to be utilized to control spark timing if the <u>original distributor</u> is not used.
11.7	Dictator to prescribe preset parameters for air fuel mixture which cannot be altered

### **PLEASE NOTE**

These engines are in an experimental stage. WOMZA has no obligation to continue with these types of Engines should they be regarded as unsuitable after a trial period. The DE engine has been added to the originally listed engine and WOMZA reserve the right to institute performance levelling measures between the two units should it be deemed necessary after a through trial period.

Competitors using these units may not make modifications other than those listed. WOMZA are open to suggestions in writing and any modification will be approved by updating these regulations before being implemented.

This is a control engine rule and stringent engine controls are in place to be checked by appointed Officials. Competitors seeking 'loopholes' are not considered constructive and will be handled in the appropriate manner.

DO NOT 'JUMP THE GUN' WITH MODIFICATIONS. WE WILL NOT BE FORCED INTO ACCEPTING A MODIFICATION BECAUSE IT COST YOU LOTS OF MONEY. FOLLOW THESE RULES AND IF YOU HAVE A CONCERN PLEASE ADDRESS IT IN WRITING.

The engine below is specifically excluded:



