



## **POWRi A-Class/Stock Micro Engine Rules**

## Overview

- a. The following engine rules will apply to the Restrictor, A-Class (Stock Wing), and Stock Non-Wing Micro divisions.
- b. The Series Director and the Technical Director may exclude any engine, design, or construction, which they deem unsafe or not meeting the specifications, the spirit and/or the intentions of the rules contained herein.
- c. All other car and chassis rules/specifications will fall under the universal Micro Sprint guidelines.

## General

- a. All engines must be available to the general public, from a known manufacturer.
- b. All cars must run a 4-stroke, 4-cylinder, 600cc engine with OEM parts per manufacture Suzuki to Suzuki, Yamaha to Yamaha etc.
- c. No metal shall be removed from the OEM internal rotating assembly.
  - i. i.e. no lightened cranks, rods, camshafts or lightened transmissions/no ceramic transmission bearings.
- d. No coatings or polishing of any internal components.
- e. All engines must run the stock stroke, stock bore, and stock camshaft not reground.

## Clutch

- a. Clutch assembly must have steel plates, no aluminum plates allowed.
- b. Suzuki must run factory 600cc hub assembly and pressure plate.

## Cam Sprockets

- a. No aftermarket cam sprockets or slotting of cam sprockets.
- b. Manual cam chain tensioner is allowed.

## Head

- a. Aftermarket valve adjustment shims and valve spring shims are allowed.
- b. Must run stock OEM valves, springs and retainers.
- c. Valve Jobs are allowed.
- d. No un-shrouding of valve or work to combustion chamber.
- e. Cylinder head deck cleanup is allowed (flat mill only, no angle milling), maximum from stock is .010 and or 10/1000 of an inch.
  - i. A stock head will be used for reference.
- f. OEM head gasket must be used and must be 0.027 minimum thick.
- g. Deck clearance of piston to be -0.000.

**Charging System & Flywheel**

- a. The cars must be self-starting, and the flywheel attached to the motor.
- b. The engine must be run as it came from the factory, with the internal charging unit and stator.
- c. Voltage will be checked at the battery and stator.
- d. Visual inspection of the flywheel/stator will be performed if needed.

**Ignition, Electronic Equipment & Fueling**

- a. NO TRACTION CONTROL DEVICES ALLOWED.
- b. Stock ECU, FuelTech FT550, PE3-IG2 and PE3-8400 Engine Control Units are permitted for use with carburetors and Stock Fuel Injection.
- c. Aftermarket airboxes and headers are allowed.

**Oil Pan**

- a. Motors may run a windage tray & or modified oil pan.

**Disclaimer**

- a. Any part that may appear illegal is subject to confiscation at any time without notice for evaluation. If deemed necessary by series officials, any confiscated part may not be returned.
- b. Final decisions will be made by the Series and/or Technical Director.