

## OVKA LOCAL OPTION CLONE CLASSES April 2010

AGES / WEIGHTS: CLONE ROOKIE – 7 through 12 years old; 250# minimum. (See tire rule)  
(Run simultaneously with Rookie Class; scored separately; no points).

CLONE SPORTSMAN - 8 through 12 years old; 250# minimum.  
(Run simultaneously with Briggs Sportsman; scored separately; no points).

CLONE JUNIOR - 12 through 15 years old; 310# minimum.  
(Run simultaneously with Junior Briggs; scored separately; no points).

CLONE SENIOR – 15 and up; 360# minimum.  
(Run simultaneously with Briggs Senior Animal; scored separately; no points).

Participation credits will be earned in all Clone classes.

TIRES : Rear tires - Dunlop SL4 600/710 x 5; must be a matched set, no mixing.  
Front tires – Dunlop SL4 450 x 5  
Rookie Class 7-12 must run 450 x 5 all the way around.

Exhaust Pipe is Open; Must Have RLV Stock Class Muffler, part #394236 or Weiner type.  
Part #89966.

Gasoline only (82 to 97 octane to be brought to the track by entrant); must pass tech.

All 4 cycle classes will be subject to pump around.

Bodywork can be European CIK bodywork or traditional 4 cycle bodywork

### WKA INTERNATIONAL ENGINE RULES

#### TM 105 710 INTERNATIONAL CLASS ENGINES

#### 710 STOCK INTERNATIONAL CLASS ENGINES

These rules describe the specifications for International Class engines. All parts must be factory production parts unless otherwise specified in this manual. No machining or alteration of parts is permitted unless specifically noted. All parts are subject to be compared to known stock parts. No reading between the lines. If it

not in the rules, it must remain stock. UNLESS OTHERWISE STATED ENGINE WILL BE TECHED AS RACED. Additional rules may be added as WKA moves forward with this program.

710.1/Ovka Minimum kart and driver weight: See OVKA rules.

710.2/Ovka Fuel: Gasoline only; See OVKA rules.

710.3/Ovka Tires: See OVKA rules.

710.4 Clutches: Must be a shoe type clutch. Any stamped drum clutch allowed. No machined drums allowed.

No disc clutches will be allowed.

710.5 Fuel tank: Must be floor mounted.

710.6 Carburetor: Huayi types allowed. All stock carb gaskets must be present. Choke assembly must be functioning. Choke bore must be cast. Venturi: 0.615" No-Go. Back carb bore: 0.751" No-Go. Emulsion tube must remain stock 0.064" No-Go. Main jet: 0.042" No-Go. Low speed idle jet 0.019" No-Go.

710.7 Fuel Pump: Any pulsed type fuel pump is allowed. Fuel pump must be pulsed from the valve cover.

\*Any other way to pulse must be approved by the WKA Tech Official for the race weekend.

710.8 Air Filter: Any air filter allowed. After market air filter adapters are allowed. Maximum length: 1.375".

710.9 Block: Block must remain stock. Maximum bore is 2.685". Stroke is 2.123" plus or minus 0.005".

710.10 Cylinder Head: No porting, grinding or modification. Valve seats have two angles: single 4° bottom and

single 30° top. Head gasket must be stock configuration. Combustion chamber volume minimum: 26.5cc.

710.11 Valve Train: Valve train will remain stock. No polishing. No grinding. No alterations. Stock 1:1 ratio OEM rocker arms only. Stock valve springs only. Maximum wire diameter is .0705". Maximum spring pressure is 10.8 lbs. at an installed height of 0.850".

710.12 Rod: Stock rod only; no modifications.

710.12 Crankshaft: Stock crankshaft only; no modifications.

710.13 Piston and Rings: Stock piston and rings only.

710.14 Camshaft: Camshaft must be stock. Maximum running lift on exhaust is 0.242" taken on valve spring retainer with zero lash. Maximum running lift on intake is 0.238" taken on valve spring retainer with zero lash.

710.15 Flywheel and Ignition: Flywheel and ignition coil must be stock. NO alterations, NO machining.

Timing

must be stock with stock flywheel key. Plastic fins must remain stock.

710.16/Ovka Header Pipe and Muffler: Maximum length on header and muffler is 14" and minimum is 10". Header must be single stage maximum 0.750" outside diameter, 0.635 ID inside measurement. Muffler must be the RLV Stock Class Muffler, part #394236 or Weiner type. Part #89966. Muffler may be welded, clamped or screwed onto end of header pipe.

710.17 Starter: Pull starter must be present and remain stock. Pull starter may be rotated for a better cranking angle.

710.18 Oil Catch Can: Engine oil recovery system mandatory.

710.19 Oil Sensor: Oil sensor may be removed.

710.20 Governor: Governor and governor components are non-tech.