



CLONE KART REGULATIONS

For event status check >www.sandyhooksspeedway.com / 717-615-1820

CLONE STOCK CLASS

Age: 12 & up

Engine: 196cc all stock motor (Governor may be adjusted, but NOT removed)

Minimum weight: 350 lbs.

Fuel: Gasoline 87 Octane

Air Filter: Factory Air Box

Flywheel: May run stock flywheel or PVL flywheel. (MUST run stock keyway.)

Carburetor: Stock factory carburetor (.29 max jet)

Chain: # 35 or #219 chain size is allowed.

Clutch: Shoe Clutch only

Chassis: Standard (No homemade chassis will be approved)

Body: CIK or Gold Cup

Weights: Must be bolted securely to the kart using bolts of at least 5/16" in diameter. Weights

In excess of 7 lbs. must use two or more 5/16" bolts. All bolts must be cotter keyed, safety wired or have double nut. All bolt-on weights also must be painted white. Mounting of weights to nerf-bars, front bumper and rear bumper is prohibited. No added weight is allowed on the driver.

Wheels/Tires/Widths: Sandy Hook Speedway Open Brand

Fr. - 10 x 4.60-5 / 7.00"

Rr. - 11 x 6.00-5 / 8.25"

Rr. - 11 x 7.10-5 / 9.25"

***** NO OTHER MODIFICATIONS ALLOWED!!!*****

CLONE MODIFIED CLASS

Age: 12& up

Engine: BSP-100 196cc, Single Cylinder, 2 Valve, 4 Cycle Engine

Minimum weight: 375 lbs.

Fuel: Gasoline 89 Octane Ethanol Free ONLY

Air Filter: Factory Air Box

Flywheel: May run stock or PVL flywheel. Keyway MUST remain stock.

Carburetor: Main fuel jet may not be bigger than .42

Chain: # 35 or #219 chain size is allowed.

Clutch: Shoe Clutch or 2 Disc Bully style clutch only (No other modifications are allowed).

Chassis: Standard(No homemade chassis will be approved)

Body: CIK or Gold Cup

Weights: Must be bolted securely to the kart using bolts of at least 5/16" in diameter. Weights

In excess of 7 lbs. must use two or more 5/16" bolts. All bolts must be cotter keyed, safety wired or have double nut. All bolt-on weights also must be painted white. Mounting of weights to nerf-bars, front bumper and rear bumper is prohibited. No added weight is allowed on the driver.

Wheels/Tires/Widths: Sandy Hook Speedway Open Brand

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Cylinder Head Requirements are as follows:

- 1) Machining of Cylinder Head Surface is allowed up to .040. Must be cylinder head JT-223 only. WILL BE TECH ITEM!
- 2) Aftermarket Head Gasket is allowed (MUST BE single head gasket only. WILL BE TECH ITEM!)
- 3) Stock Head Bolts are required. (No head studs allowed)
- 4) Valve Springs may be shimmed, but must be 10.8 springs, with a spring thickness of .071 or under
(Valve springs WILL BE TECH ITEM!)
- 5) Must retain stock rocker configuration. No roller rockers or rocker shaft style arms are permitted. NO EXCEPTIONS!!
- 6) Must retain stock valve cover, and may have no more than two holes tapped in valve cover. WILL BE A TECH ITEM!
- 7) Bore & Stroke: Engine must retain stock bore-NO EXCEPTIONS! Stock Bore is 2.685"/Stock Stroke is 2.123" + .10" -.005.
- 8) Connecting Rod: Stock or billet aluminum rod with or without bearing inserts allowed, must remain stock length
(Stock length is 3.303")
- 9) Combustion Chamber Volume 25 cubic centimeters minimum with piston @ TDC.
- 10) Piston Requirements: Must use stock dish piston assembly. Piston and wrist pin must be located in stock location and cannot have any piston pop up. Flat top pistons are ILLEGAL, no exceptions!
- 11) Camshaft Requirements: BSP-4 Camshaft only! Max lift allowed is .238 intake and .242 exhaust @ the retainer.
(No other Camshafts will be allowed)
- 12) Crankshaft Requirements: Stock Crankshaft Only with stock factory timing gear and factory location
(NO MODIFICATIONS ALLOWED!!)
- 13) Block Requirements: Stock Block as cast and produced with no alterations or modifications. No piston pop up is allowed. WILL BE A TECH ITEM!
- 14) ARC billet flywheel #6619 only. All other flywheels will be deemed illegal. May use advanced keyway up to 4 degrees maximum. No machining or alterations of any kind are allowed. Minimum weight for flywheel is 3.3 lbs.
- 15) Carburetors: CNC bored and jetted .615" carb. or CNC bored and jetted .625" carb. No carburetors larger are permitted! (CARBURETOR IS A TECH ITEM!) .625 NO-GO gauge with choke butterfly removed. Main fuel jet may not be bigger than .42. E tube may not be bigger than .060. With carburetor removed off engine, venturi diameter may not exceed .750" NO-GO. Low-speed jet is non-tech item.
- 16) Ignition System: Ignition timing may be advanced by 4 degrees. Ignition module assembly is a non-tech item.
- 17) Spark Plug: Must use LD F7TC Spark Plug (which is the stock plug that comes with BSP-100 Engine) or may be upgraded to 3910X Autolite Spark Plug. No machining of Spark Plug is allowed. Spark Plug WILL BE A TECH ITEM!
- 18) Fuel Pump: Fuel System must use stock tank or plate with pulse pump only. Pulse pump vacuum line may not exceed 12" in length. WILL BE A TECH ITEM!
- 19) Exhaust Pipe: Any pipe is allowed, but must have silencer.

***** NO OTHER MODIFICATIONS ALLOWED!!!*****





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Clone Modified Technical Checks:

(An effort to appoint a Clone Technical Inspector is being made, but may not be available at every event.)

- 1) Check sealed tabs to confirm no tampering. If seals are deemed satisfactory, then step 6 is not necessary.
- 2) Fuel must be 89 Octane Ethanol Free, Purchased from Nicholson Speedway.
- 3) Pulse Pump Vacuum Line may not exceed 12" in length.
- 4) Remove Spark Plug and check to be sure it has not been machined and that it is the proper part number.
- 5) R&R Valve Cover, Check Valve Springs (must be 10.8, and .071" thickness or smaller). Valve Cover must have no more than two holes drilled.
- 6) Check Cam Lift at Retainer of Valve Spring. Max lift .238 intake and .242 exhaust (if no seal tabs on motor, or if existing seal tab has been tampered with).
- 7) Remove Air Filter. Check backside of Carburetor with .625 NO-GO. Drain and remove Carburetor Bowl. R&R Jet and make sure no bigger than .042". Remove E Tube from Carburetor and check to be sure no bigger than .060".

*Notes:

CC Check is at discretion of Race Director.

If racer does not adhere to rules or does not allow engine to be checked, then racer will be disqualified from that race and will not receive any points or awards for that race.

All karts will be lined up and checked for compliance by an independent tech person. Once requirements are met, bottom end of motor will be sealed with non-removable seal tab for race season. If maintenance is needed in bottom end and seal needs to be removed, then this must be approved by the assigned Clone Tech person. Once maintenance requirements are completed, engine must go through tech and resealed before qualifying at the next race. Any engine not deemed in compliance will be eliminated from that race.

Top 5 winning positions of each race will be checked again at the end of the race, and if found in violation will be disqualified. The next kart in compliance will then be declared the winner.

