

Red Dirt Raceway

2009 CLASS RULES

YOUNG GUNS AGES 4-8

- This is a training class and should be a *1 year class*.
- Any engine up to 206 cc box factory stock-*non motorsports*
- Governor set to 4000 rpm max
- Throttle linkage must be metal to metal (throttle arm must rest on metal stop, not on throttle adjustment screw)
- Stock air cleaner and muffler
- No modifications of any kind allowed
- Minimum weight-kart and driver 250 lbs.
- Drum style clutch only
- Roof top wing allowed

YOUNG GUNS ADVANCED AGES 5-8

- Minimum weight-kart and driver 250 lbs.
- Any engine up to 206 cc factory stock-*non motorsports*
- Must run Hortsman 3 hole black restrictor plate
- May disconnect or remove governor assembly
- May use adjustable jet on carburetor
- May use any air cleaner
- May use any exhaust header must have flared or washer end
- Drum style clutch only
- No other modifications allowed

JR. 1 AGES 8-12

- Minimum weight-kart and driver 275 lbs.
- Any engine up to 206 cc factory stock
- No motorsports engines allowed
- No engine modifications including milling, decking, porting, and polishing
- No aftermarket racing parts of any kind allowed
- Stock diameter valves and springs any type keepers
- Stock camshaft lift, compression relief non tech (tech will be at the valves)
- Stock crankshaft, flywheel, crank gear, push rods, lifters, rockers and stock length connecting rod
- Stock carburetors no modifications allowed
- Exhaust header w/ flanged end may be used
- Fuel pump air cleaner and ignition timing are non tech
- Pump gas only-no enhancements or additives allowed
- Any drum or disk style clutch belt drives allowed

- No wet type clutch

SEE STOCK ANIMAL TECH RULES FOR SPECIFICATION

RED RESTRICTOR ANIMAL AGES 6-8

- Minimum weight-kart and driver 265 lbs.
- Stock Briggs and Stratton Animal
- Must run 3-hole .279 red Hortsman restrictor plate. Will be tech at .281 no/go. Restrictor must be mounted between carburetor and manifold and may not be altered in any way. Must have gasket between restrictor and manifold.
- Exhaust header w/ flanged end may be used
- Fuel pump, air cleaner, and ignition timing are non tech
- Drum style clutch only

GOLD RESTRICTOR ANIMAL AGES 7-11

- Minimum weight-kart and driver 285 lbs.
- Stock Briggs and Stratton Animal SEE STOCK ANIMAL TECH RULES FOR SPECIFICATION
- Must run 3-hole .312 gold Hortsman restrictor plate. Will be tech at .314 no/go. Restrictor must be mounted between carburetor and manifold with gasket between restrictor and manifold and may not be altered in any way
- May use drum or disk style clutch. NO wet type clutches
- Exhaust header with flanged end may be used
- Fuel pump, air cleaner, and ignition are non tech
- Pump gas only no enhancements or additives allowed

STOCK ANIMAL AGES 9-14

- Min weight-kart and driver 310 lbs.
- Stock Briggs and Stratton Animal
- May use drum or disk style clutch. NO wet type clutch
- Exhaust header with flanged end may be used
- Fuel pump, air cleaner, and ignition timing are non tech
- SEE ANIMAL TECH RULES FOR SPECIFICATION

LIMITED MODIFIED ANIMAL AGES 11-16

- Min weight-kart and driver 345 lbs
- Slightly altered WKA rules
- Briggs Animal only!! Max over bore .030
- Stock Animal cylinder (Intek cylinder ok) piston must not be more than .005 out of bore with carbon. Tech from center of piston NO tolerance
- Stock stroke Animal/ Intek cranks (stock stroke, journal size and stock appearing)
- Connecting rod stock length rod only after market ok
- Stock Briggs Animal piston must be installed to factory specs. Numbers and appearance will be used as tech.

- Cylinder head-stock Animal only. No porting, grinding, or polishing. Stock Briggs valves and sizes. Any valve spring and retainer can be used. Cylinder will carry the same rules as all Animal classes posted in Animal tech section
- WKA limited mod profile & lift cam profiled with degree wheel WKA specs cam lift will be checked at valve spring. Gross valve lift .308
- Stock lifters (tech will be OD & length)
- Push rods stock length Animal only
- Rocker arms stock Animal / Intek-no modifications-appearance will be teched. Rocker arm supports are ok.
- Any valve cover or spacer is ok.
- Intake manifold non-tech
- Carburetor-Tilloston or Mikuni no larger than .875 / 22mm or stock appearing Animal carburetor ok
- Fuel pump single outlet single pump pulsed from crank case only
- Flywheel Animal Jr. racecar with stock coil or Briggs PVL with stock coil cooling fan is optional
- Ignition timing non tech
- Crank case venting will be at valve cover only drain back line to side cover ok
- Any stock part can be teched against known Briggs part number
- Engine gaskets should be Briggs replacement only
- Pump gas only
- May use drum or disk style clutch no wet type clutches

STOCK 6.5 HP ANIMAL TECH SPECIFICATIONS

- Cylinder blocks (max bore .030) piston pop up +.000
- Converted Inteks must run Animal head
- Piston stock Briggs installed per manufacturers specs arrow to mag. No machining.
- Any stock length rod may be used
- Stock crank stock dimensions
- Flywheel: stock Racecar or Briggs PVL stock magneto
- Cylinder head : combustion chamber floor depth no less than .319
- Combustion chamber squish band areas around plug and bottom portion of chamber no less than .011 will measured with quality depth gauge and will have 0 tolerances
- Valves; intake OD min & Max 1.055-1.065, exhaust OD min & max .935-.945 valve length 3.377 +/- .010 will be used for tech
- Valve springs : stock valve springs or aftermarket to exact stock specs
- Camshafts: will be profiled with degree wheel with WKA specs max lifts .255 will be tech at valve spring retainer .252 max lift with no lash
- Lifters stock replacement only
- Push rods stock length 5.638-5.656 min and max
- Rocker arms stock replacement only no alterations of any kind
- Stock valve cover with working baffle
- Carburetor: items that drop in from bottom with bowl off are non tech
- Intake manifold only alteration is slotting of holes for proper alignment
- Restrictor plate should be color specified and installed with tab facing left

- Fuel pump pulse line from top oil fill only
- Crank case ventilation from valve cover only
- Any type starter allowed
- All engine parts, except listed allowed changeable parts can be teched to a known stock Briggs Animal part
- This is a stock engine class and if anything is altered or replaced other than what is listed in this engine spec sheet it does not fit mandated requirements.

NATIONAL WINGED OUTLAW KARTS

ALL MEMBERS AND KARTS WILL ADHERE TO THE RULES SET FORTH BY NWOK. THEIR RULES ARE LINKED TO THIS WEB SITE. THE FOLLOWING CLASSES WILL BE RAN AT RED DIRT RACEWAY FOR THE 2009 SEASON:

RESTRICTED BOX STOCK

AGE 6 AND UP. Motor rules will match the Red Restricted Animal Class of Red Dirt Raceway and NWOK.

BOX STOCK ANIMAL

AGE 9 AND UP. Motor rules will match the Stock Animal Class of Red Dirt Raceway and NWOK

100 CC KT

125 CC

250 CC

500 CC

NUMBER OF KARTS THAT SHOW FOR RACES WILL MAKE THE CLASS AND ALL SHALL COMPLY TO NWOK RULES

WINGS WILL BE ALLOWED IN ALL CLASSES AT RED DIRT RACEWAY

DISCLAIMER

The rules and or regulations set forth herein are designed for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. The rules shall govern all entrants. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official. The race director shall be empowered to permit deviations from any of the specifications, herein, or impose any further restriction, that in his opinion do not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviations of these rules is left to the discretion of the officials. Their discretion is final.