

**2010 SPORTSMAN  
Crate Engine Division**

**Established Late Model Driver's are not allowed to race the Sportsman Crate Engine Division. Dixie Speedway reserves the right to decide who is or is not an established late model driver.**

**RaceCeiver Required, No other radios or communication equipment or mirrors allowed at any time.**

**ENGINE SETBACK:**

- A.** Engine setback will be 6" inches from center of top ball joint to the most forward spark plug on the jig-frame car and 8" inches from center of top ball joint to the most forward spark plug on the snout car. 1 inch tolerance on engine setback.

**FRAME:**

- A.** All frames must be of steel construction.
- B.** Square or rectangular frame must have a minimum of 2" by 2" material, .083-wall thickness.
- C.** If round tube frame, tubing must have a minimum of 1-3/4" outside diameter, .083 wall thickness.

**WHEEL BASE:**

- A.** Minimum wheelbase for jig and snout car will be 103" inches.

**ROLL CAGE:**

- A.** All cars must have a suitable steel roll cage protecting the driver's compartment, including headrest.
- B.** Side roll bars are mandatory, and must extend into the door panels. A minimum of three (3) bars must be used on the left side.
- C.** Each bar must be at least 1- 1/2" in diameter, with a minimum material thickness of .083".
- D.** Roll cages must be welded to frame.

**BODY:**

- A.** Same as Super Late Model specs. (SEE DRAWINGS)
- B.** Spoilers may have a maximum size of 12" height, by 72" width.
- C.** Note: Gurney Flaps or Curls are allowed along the upper edge of the spoiler, but their length will be included in all measurements, Spoilers will be measured according to total length of and width of material, in any shape.
- D.** RaceCeiver Required, No other radios or communication equipment or mirrors allowed at any time.

**SAFETY:**

- A.** All cars must have 3" inch seat belts with shoulder harness and must be attached to roll cage.
- B.** We strongly recommend that all cars have an approved fire extinguisher securely mounted, within easy reach of the driver. A 5 lb. Halon System is recommended.
- C.** All drivers must wear a complete fire suit.

**NUMBER:**

- A. Number must be at least 18" inches high and on both sides and top of car.
- B. All cars must have a number.

**APPROVED SEALED CRATE ENGINES:**

- A. GM part number 88958602 is approved for use in competition.
- B. GM part number 88958604 is approved for use in competition.
- C. Other manufactures, sealed crate engines with the same or close to the same horse power rating such as Ford & Dodge may be allowed as soon as they are available and have been approved for competition by Dixie & Rome Speedway officials.
- D. GM Engines may be purchased at any GM dealer.
- E. The sealed engines must remain intact and not be tampered with; any seals that have been removed or tampered with will make the engine illegal and not eligible for competition at Dixie or Rome Speedway.
- F. No changes are allowed to the engine (intake manifold, heads, valve covers, oil pan, harmonic balancer or any other part /or parts on/or in the engine. Crate Engines must not be altered, modified or changed from factory specs.
- G. No vacuum pumps.
- H. All crate engines must be sealed with factory bolts, R/M bolts or Dixie's cable seals or seals from some other series. We will allow other series seals if we can verify the seal system of the other series.

**CRANKING COMPRESSSION:**

- A. All crate engines will have a maximum cranking pressure of 200 p.s.i. any engine that has over 200 p.s.i. will be illegal to use at Dixie & Rome.

**WATER PUMP:**

- A. Cast or aluminum permitted.
- B. No electric water pump.

**FUEL PUMP:**

- A. Mechanical pump only, No electric pump.

**DISTRIBUTOR:**

- A. Any ignition with the exception of magnetos (No magnetos.)
- B. There is a \$400.00 claim rule on all ignition boxes.  
(See Claim Rule Section for more info.)

**CARBURETOR:**

- A. One four-barrel carburetor only of any manufacture.
- B. Engine must be naturally aspirated.
- C. May use one carburetor spacer  
**(602 may use a 2 inch total thickness + .040 tolerance)**  
**(604 may use a 1 inch total thickness + .040 tolerance)**

**(No part of spacer may enter intake plenum)** and two standard one-piece paper gaskets (maximum 0.070 inch thick), one gasket between intake to spacer and one gasket between spacer to carburetor.

**STARTER:**

- A. All cars must have starter in working order.

**EXHAUST/MUFFLERS: MUFFLERS REQUIRED AT DIXIE AND ROME**

- A. Dirt Pro Muffler part # 357 Plus or Borla Muffler part # 40004 S required.
- B. No modifications and/or alterations to mufflers will be allowed.
- C. Collector type headers required.
- D. All cars must register under 100 decibels.
- E. No deliberate air leaks, vents, holes, etc.
- F. Any car that loses a muffler will automatically be disqualified.
- G. Any car that is judged to be too loud, by the track Officials, under race conditions, will be black-flagged.

**BRAKES:**

- A. Four-wheel disc brakes permitted.
- B. No carbon fiber brake parts permitted.

**FUEL CELL / FUEL:**

- A. An approved fuel cell (32 gallon maximum) must be securely mounted in the trunk area of the car, inside a .20 gauge metal box supported by a minimum of two 2" inch by 1/ 8" inch steel straps.
- B. All fuel cells must be completely visible from rear of car.
- C. Fuel cell must not be mounted lower than bottom of quick-change rear end.
- D. Gas only - no alcohol - no nitrous oxide, nitro methane or other nitrate additives.
- E. No propylene oxide.
- F. Gas must pass tracks acid gas test.  
**(RACING GAS AVAILABLE AT DIXIE ONLY)**

**TRANSMISSION:**

- A. Must have at least one forward and one reverse gear in working order.
- B. Automatic transmission permitted. Must have torque converter or manual fluid by-pass valve system.
- C. No straight drives or in and out boxes.

**WHEELS:**

- A. Any brand or type of wheel allowed must be mounted with lug nuts.
- B. No knock-off or center lock wheels.
- C. Maximum wheel width - 14" inches.

**TIRES:**

- A. Dixie Speedway tire rule Hoosier DRS-1600 or DRS-1350 only.

- B. All Dixie Speedway tires must be the DRS BRAND and must be purchased at track.
- C. Rome Speedway tire rule any Hoosier 1600 or 1350.
- D. All tires must have all numbers, codes and name on the tire No grinding off of numbers, codes or names, any tire that has been altered will be illegal.
- E. Tires available at track call in advance to arrange pick up. (770) 926-5315

**WEIGHT:**

- A. GM Crate Engine # 88958602 – 2200 lbs.
- B. GM Crate Engine # 88958604 – 2350 lbs.
- C. One pound per lap weight allowance after race.
- D. Track reserves the right to adjust weights in interest of competition should it deem necessary.
- E. Attached weight must be securely bolted to frame with ½” or larger bolts and painted white or silver with car number clearly painted on them.
- F. All cars must have specified weight posted on top right side of roof.

**REPAIR & REBUILD PROGRAM**

Dixie & Rome Speedway has in place a network of Authorized Crate Engine repair and rebuild centers. All repairs and rebuilds must be done by one of these Authorized Repair/ Rebuild Centers. The engine will be repaired or rebuilt and sealed according to the engine manufactures guidelines provided by the manufacture of the engine. For a complete list of the Authorized Repair/ Rebuild Centers call Dixie Speedway (770) 926-5315 or Tim Watters (770) 836-8152

**SPORTSMAN PROTEST FEES**

Any crate engine protested must be reassembled and resealed by one of the Authorized Repair/ Rebuild Centers.

\$400.00	One Head
\$300.00	Oil Pan
\$100.00	Engine Setback (1 inch tolerance)
\$100.00	Gas
\$100.00	Each Muffler

Any item not listed in protest fees is considered a visual protest item and must be protested before race and not after.

1<sup>st</sup> place finisher cannot start further up than 4<sup>th</sup> place in the following weeks heat race. If no heat races are ran it will be 4<sup>th</sup> place in that weeks feature.

This will not apply to championship races; therefore the Sportsman driver of race prior to Championship will be handicapped the week after championship.

**PENALTIES FOR ENGINE INFRACTION**

Disqualification of race, 0 points, \$0.00 in prize money won during the race and a \$300.00 fine. The \$300.00 fine must be paid before you can return to competition at Dixie or Rome.

**Track reserves the right to delete, change, or amend rules in the interest of competition.**

**2009/2010 DIXIE SPEEDWAY ALL RIGHTS RESERVED.**