



Short Track Super Series 'Sunshine Swing' STSS Crate 602 Sportsman Rules Package

Bob Hilbert Sportswear Short Track Super Series (STSS) Fueled By Sunoco Crate 602 Sportsman will compete under the following rules package at All-Tech Raceway in Lake City, Fla., for the 'Sunshine Swing' February 5-8, 2020. Practice takes place on Wednesday, February 5 and racing is set for Thursday-Saturday February 6-8, 2020.

Engine Rules:

GM Crate 602 engines only. Engines must remain in stock condition. All internal parts must remain stock. No aftermarket parts permitted. STSS officials have the right to perform any tests including but not specific to rocker arms, pushrod and valve spring inspection, tests of cubic inch, compression ratio and Cam Doctor. All engines must have GM seals. Any engine competing with the STSS is subject to further testing and confiscation by series officials.

Carburetor/Fuel Delivery System:

Carburetors must be 650 or 750 cfm only. Must be of Holley design: no billet center sections (billet base plate permitted). Metering blocks and bowls must be of stock appearing design. Booster height must remain stock; no cutting or polishing. One-inch carburetor spacer (maximum open hole). No divider or cutting marks. Drilling holes in throttle plates for proper idling permitted. Plugging vacuum ports permitted. Welding throttle shaft to linkage arm and drilling of idle or high-speed air correction jets is permitted. Fuel regulators are prohibited. Must run stock mechanical type fuel pump bolted to the engine, driven by the camshaft via a pushrod. No electric fuel pumps of any kind.

Distributor:

Distributor must be stock with vacuum pump. The distributor may be locked out but CAN NOT be welded. A lock-out plate that screws in and locks the advance out must be utilized. Must have stock appearing module and coil as well as stock black cap and white rotor only.

Rev Box:

All cars are required to utilize the MSD Digital Rev Box No. 8727 CT. All wires must be visible. No cutting of any wires permitted. Ground wire MUST be grounded to the intake only with nothing else attached. There is a spud on the left side of the intake between the carburetor and distributor for this purpose. A maximum RPM of 6,200 permitted. All boxes are subject for confiscation for further testing. Rev box must be mounted outside the reach of the driver in the engine compartment easily accessible by series officials.

Body Rules:

Standard DIRTcar/WRG body rules apply. Door heights are as follows: maximum height of 41 inches on the left side and 40 inches on the right.

Left-Side Measurement Points:

16 inches forward from centerline of rear axle: 45 inches maximum, 37 inches minimum
60 inches forward from centerline of rear axle: 41 inches maximum, 36 inches minimum

Right-Side Measurement Points:

16 inches forward from centerline of rear axle: 44 inches maximum, 36 inches minimum
60 inches forward from centerline of rear axle: 40 inches maximum, 35 inches minimum

There cannot be more than a one-inch difference from left door to right door in split.

Rear spoiler rule maximum height: 50 inches. Minimum ground clearance of 6 inches in door skirting and 8-inch minimum for rear quarter-panel skirting.

All other measurements are to mirror the DIRTcar/WRG rule book.

Rubrails:

Double rubrails on the left-side ONLY. Single rubrail on the right side.

In-Cockpit Adjustments:

Panhard bar adjusters permitted. Brake bias permitted. Right-front shutoff permitted (only).

Water Pump:

Any mechanical water pump – steel or aluminum – is allowed. Must be driven by the front-drive belt system. Electric water pumps are prohibited.

Headers:

All headers permitted with the exception of stainless. Evacuation systems and vacuum pumps are prohibited.

Oiling System:

Oil coolers are permitted. No external oil pump systems. Oil coolers can be mounted under or in front of the radiator *or* under the left-side wing area, no further back than the rubrail.

Fan:

No electric fans. Plastic, steel or aluminum fans are permitted.

Rear-End/Driveline:

No locker rear ends of any kind. Rears may be 8 or 10 inch ring-and-pinion. No midget rear-ends. Steel or aluminum yokes are permitted. Steel driveshafts only. No titanium driveshafts, jackshafts, axles or driveline components. No titanium rotors or bolts of any kind.

Traction Control:

Traction control devices/systems of any kind are PROHIBITED.

Titanium:

Titanium is PROHIBITED anywhere on the car.

Fuel:

Sunoco Race Fuels is the preferred fuel of the Bob Hilbert Sportswear Short Track Super Series. Sunoco 91, Can-Am Crate (98 octane) or equivalent. *NO OXYGENATED FUELS.*

Wheels:

Steel or aluminum wheels are permitted. No titanium bolts are to be used for bead-locks or bolting together a wheel.

Tires:

Left-Front: American Racer 33 compound ONLY

Right-Front: American Racer 38 or 44 compound ONLY

Left-Rear: American Racer 44 compound ONLY

Right-Rear: American Racer 48 or 53 compound ONLY

**No softening or chemically altering tires.*

Minimum Weight:

All cars must weigh 2,350 lbs., post-race, with driver in car. *Track scale pounds.*

Ballast Weight:

All lead ballast weight must be mounted between the frame rails using proper clamps with one (1) grade-8 bolt required for every 10 lbs. of lead being held. All lead should be painted white with and labeled with car number. No filling rubrails or body mounts with lead or other type of material. Weight is not permitted in axle tubes. No steel axle tubes.

Shocks:

No adjustable shocks. No remote canister shocks. All shocks must be on the open market and available for purchase. One shock per corner ONLY.

Seat Belt/Restraint System

All cars must be equipped with a minimum of an SFI 16.5 or SFI 16.1 approved restraint system. System will be eligible for use in competition for two years from the date of manufacture or the expiration date. Seat belt systems shall be installed and used in accordance with manufacturer's instructions.

Protective Clothing

All drivers are required to wear a fire-resistant driving uniform meeting minimum SFI 3.2A/5 specification with label. Drivers must wear gloves at all times they are on the track. Driver's gloves must meet or exceed SFI 3.3 specification with label. Drivers should wear fire resistant accessories including head sock, under garments, shoes and socks. Shoes must meet the SFI 3.3 specifications with label.

Seats

All current seats must be constructed of aluminum or approved carbon fiber. Must be installed in accordance to seat manufacturer instructions.

Helmets

All drivers must wear a full-face helmet with a minimum safety rating of FIA 8860-2010, Snell SA 2015, Snell SA2010, Snell SAH 2010 and/or a valid SFI 31.1/2005 label.

Head And Neck Restraint

SFI 38.1 approved head and neck restraint recommended.

Fire Suppression System:

Fire bottle/suppression system recommended.

Lineup Procedure:

Drivers will draw for their starting positions in 8-lap heat races. Top finishers from the heat races transfer to the redraw. The remainder of heat-race qualifiers go directly to the features.

Consolations (8 laps) will set the remainder of the starting field. After the first night of 'Sunshine Swing' competition, the two highest drivers in mini-series points will be added to the rear of the field as provisional starters relinquishing green money.

Any driver introducing a back-up car after the completion of qualifying (heat race or consolation) must start from the rear in their next event that night.

In the event of a car "scratching" from a heat race, consolation or main event starting field, the cars behind said driver will "crisscross" to their new assigned position. The entire row *will not* move up.

Drivers may only file one (1) entry at each 'Sunshine Swing' event. Drivers are not permitted to enter two or more cars for the benefit of additional draw attempts.

Starts & Restarts:

All heat-race and consolation restarts are double-file. Feature events will go double-file until five (5) laps remaining. In the event of two cautions on the same lap, the next restart will revert to single-file. Double-file restarts will resume after a green-flag lap is completed. All starts and restarts occur in the Sunoco Race Fuels Start Zone. After the completion of one (1) green-flag lap, the leader may choose inside or outside. Lapped cars drop to the rear in the order they are running.

Transponders:

AMB Transponders are REQUIRED for all 'Sunshine Swing' events.

One-Way Radios:

One-way radios are mandatory. Frequency is 454.000. NO two-way communication between driver and crew.

Weeklong Temporary Car Registration/Temporary Membership:

The weeklong 'Sunshine Swing' STSS Crate 602 Sportsman registration/temporary membership can be purchased in advance for \$60. The form has been posted on the Short Track Super Series website. Individual fees are \$20 for Thursday and Friday nights and \$30 for Saturday night.

Point Standings:

'Sunshine Swing' points will be tabulated during the 'Sunshine Swing' utilizing the established STSS 100-point structure.

Contingency Decals:

To be eligible for payout and/or point fund monies, all cars *must* be outfitted with the following decals: Short Track Super Series, Sunoco Race Fuels and American Racer. Decals of any competing brands must be concealed during 'Sunshine Swing' events.

***ALL RULES ARE SUBJECT TO CHANGE AT ANY TIME BY MANAGEMENT OF THE
SHORT TRACK SUPER SERIES TO ENSURE COMPETITIVE BALANCE. ALL OFFICIALS'
DECISIONS ARE FINAL!***