



2021 Short Track Super Series 'Sunshine Swing' 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 Bubba Raceway Park in Ocala, Fla., for the 'Sunshine Swing' Jan. 26-30, 2021. Practice takes place on Tuesday, Jan. 26 and racing is set for Wednesday-Saturday Jan. 27-30, 2021.

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. 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. 650-cfm carburetor must have straight-leg boosters. 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. 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:

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 must fit the standard for Northeast dirt Modified bodies.

Rubrails:

Single or double rubrails permitted on either 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 Crate 602 Sportsman program. Sunoco 91, Can-Am Crate (98 octane), Sunoco 110 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:

American Racer is the exclusive tire of the 2021 Short Track Super Series. Approved compounds for the 'Sunshine Swing' at Bubba Raceway Park are as follows:

Right-Rear: American Racer 48 or 53 compounds ONLY

Left-Rear: American Racer 44 compound ONLY

Right-Front: American Racer 38 or 44 compounds ONLY

Left-Front: Any American Racer Compound

Any track or series stamp is permitted. No specialty or block-tread tires. *No softening or chemically altering of 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 remote canister shocks. Shocks can be adjustable but all knobs or clickers may not be accessible while mounted on the race car. Must remove shock from the race car to change the compression/rebound and/or bleeds. The only adjustment allowed with the shock mounted on the car is gas pressure through a Schrader valve. All shocks must be on the open market and available for purchase. One shock per corner ONLY.

General Rules & Safety: The following *minimum* safety guidelines are in place for the 2021 season.

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 at the Drivers Meeting 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.

Disqualifications:

Drivers who are disqualified forfeit monies earned and points accrued for said Short Track Super Series event. Drivers who are disqualified will receive DNQ points for said event. In the event of a disqualification, all drivers behind the DQ car will be moved up a position and will be compensated as such with points and payout.

Transponders:

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

Scoring:

The decisions of scorers at Short Track Super Series events are final. Race teams have 10 minutes following the completion of an event to question the order of finish. Teams should contact the host track pit steward or Short Track Super Series official with their comment/question. Finishes will be posted on each speedway lineup board shortly after the checkered waves at each event.

One-Way Radios:

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

Weeklong Car Registration/Temporary Membership:

The weeklong 'Sunshine Swing' STSS Crate 602 Sportsman registration/temporary membership can be purchased for \$90. Individual fees are \$20 for Wednesday, Thursday and Friday nights and \$30 for Saturday night. The registration form has been posted on the Short Track Super Series website.

Point Standings:

Points will be tabulated during the 'Sunshine Swing' utilizing the established STSS 100-point structure for the first two nights (Thursday and Friday). Saturday will utilize the 150-point structure. The tiebreaker will be the order of finish on the final night.

Social Media Conduct:

Competitors on the Short Track Super Series are independent contractors compensated by the series via purse and point fund monies. Competitors are expected to uphold the integrity of this business relationship in all posts on social media. Any posts viewed as detrimental to the series, its officials, host facilities or marketing partners could result in a fine and/or suspension from competition on the series.

Driver Eligibility:

Drivers with extensive Modified racing experience should contact series officials for permission to participate prior to competing in any Sportsman event.

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 all STSS 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!