

Top Sportsman 2012

DESIGNATION: T/S or Top Sportsman followed by car number. Numbers must be at least 4" tall and on both side windows, upper left of rear window and upper right of windshield. Dial-In must be clearly visible from Race Control and on both sides of the car.

FIELD: 16 car qualified field based on elapsed time.

TREE: .500 Full Tree, no blinders and crosstalk enabled.

DIAL-IN: Maximum dial-in 1 (one) tenth of a second slower (+0.10) than the #16 qualifiers ET. (minimum dial-in 3.66, maximum dial-in 4.99)

No minimum weight or maximum cubic inch limit.

All rules subject to change at the sole discretion of the ADRL Technical Services Department.

REQUIREMENTS AND SPECIFICATIONS

BODY

BELLY PAN: Allowed. Pan must extend beyond the leading edge of the engine and any accessories. The front edge of the pan must have a 2 inch lip.

BODY: Funny car or one piece bodies not allowed even if equipped with doors. Maximum front end overhang of 45" as measured from centerline of front spindle. An ADRL accepted extension may be used to reach 45" if the front end overhang of the body is less than 45". All bodies must originate from a production vehicle. All new cars must be accepted by the ADRL competition department prior to construction.

DOORS: Required. Doors must be functional and able to be opened from both the inside and outside of the vehicle. Doors may be fabricated from carbon fiber, fiberglass or metal. A metal deflector between the fenders and the leading edge of the doors is required.

FIREWALL: Magnesium or composite prohibited. All firewalls must be made of steel or titanium (.024 minimum) or aluminum. (.032-inch minimum)

FLOORS: Replacing stock floors with .024" steel, .032" aluminum or .024" titanium allowed. Driver's side floor pan must be minimum .024" steel and must be welded in place extending from firewall to back of driver's seat.

TAIL LIGHT: Functional rear tail light is required.

WINDOWS AND WINDSHIELD: Required. May be replaced 1/8 inch thick lexan, plexiglass or other shatterproof material. An opening with a 4" diameter minimum is recommended on side windows adjacent to the driver.

CHASSIS

BATTERY: Maximum of two batteries allowed. All batteries must be securely fastened. An external master electrical shut off clearly labeled "PUSH OFF" is required.

BRAKES: Four wheel brakes with dual master cylinder mounted above frame rails required.

CHASSIS: SFI 25.1 E, 25.2 or 25.3 certification required.

DRIVER LOCATION: Must be in stock location, on left side of vehicle.

GROUND CLEARANCE: Minimum of 3" required from whatever portion of the vehicles body or chassis that breaks staging beam to 12" behind front axle centerline. 2" for the remainder of the vehicle

STEERING: SFI 42.1 steering wheel disconnect required

SUSPENSION: Race car type suspension required. Solid suspension prohibited. Shock absorbers required for all four wheels.

TIRES: Automotive type tires designed specifically for racing required. Tires cannot be located outside of bodyline. Manufacturer, model and size information must be clearly designated.

WHEEL BASE: Minimum 90". Maximum variation is 1" side to side.

WHEELIE BARS: Required, non metallic wheels required.

WHEELS: Wheels meeting SFI spec 15.1 mandatory. Maximum width 16". Use of a liner recommended on all non bead lock wheels.

DRIVELINE AND ENGINE

CLUTCH/FLYWHEEL: Flywheel and clutch meeting SFI 1.1, 1.2, 1.3, 1.4, or 1.5 certification required.

DRIVELINE: Each end of driveshaft must have round 360-degree driveshaft loops within 6 inches of U-joints. A full 360 degree drive shaft tube is recommended over yoke, extending a minimum of 12" from transmission tail shaft.

ENGINE SETBACK: Maximum of 10% of total vehicle wheel base as measured from the centerline of the forward front spindle to center of front spark plug hole.

EXHAUST: Automotive type system designed specifically for racing required. Exhaust gasses must be directed out of the body towards the rear of vehicle and away from the driver and fuel system.

HARMONIC BALANCER: SFI 18.1 certification required.

FLYWHEEL SHIELD: SFI 6.1, 6.2 or 6.3 certification required on all clutch equipped cars.

FLEXPLATE: Automatic transmission flexplate meeting SFI Spec 29.1 required (SFI 29.2 recommended)

FLEXPLATE SHEILD: SFI Spec 30.1 required. An SFI 6.1, 6.2 or 6.3 bellhousing is permitted on torque converter assisted planetary transmissions.

TRANSMISSION SHIELD: A one-piece transmission shield meeting SFI Spec 4.1 is required on all automatic and planetary transmissions.

FUEL: Alcohol, gasoline, methanol, ethanol and diesel allowed. The use of nitromethane is strictly prohibited.

INTAKE MANIFOLD: An ADRL accepted burst panel is required on all vehicles.

NITROUS OXIDE: Permitted

REAR END: Automotive type required. Independent rear suspension prohibited. Titanium Wheel studs prohibited.

STARTER: Required. All entries must be self starting. No push starts allowed.

SUPERCHARGER: Permitted, 14-71 (or smaller) standard or hihelix supercharger. Screw supercharger prohibited. Cars utilizing 12-71 or 14-71 superchargers must use an SFI 14.2 or 14.3 Supercharger Restraint with approved bag from same manufacturer. All other superchargers require an SFI 14.1, 14.2 or 14.3 Supercharger Restraint. Belt guards shielding both fuel and oil lines are mandatory

TURBOCHARGER: The use of single or dual turbochargers allowed.

TRANSMISSION: Any type allowed.

THROTTLE STOPS: Mechanical, electronic, or pneumatic throttle stops prohibited. If the car has a throttle stop in place, ALL controls must de clearly disconnected.

DELAY BOX: One delay box/device is permitted; it may be attached to the transbrake, and/or shift timer only. The wire to the transbrake (or line-loc) may contain a splice that activates the two-step/launch control device in the ignition system. All wiring associated with the delay device, ignition system, automatic shifter, tachometer, data recorder, and fuel-injection system must be fully visible, labeled, and traceable.

MISCELLANEOUS

CREDENTIALS: A valid ADRL membership and competition license is required. Valid IHRA and NHRA competition licenses may be transferred when presented with a current physical.

DATA / ELECTRONICS ACQUISITION: Allowed so long as they do not activate any function on the vehicle.

STARTING LINE ENGINE CONTROL DEVICES: Allowed.

TOW VEHICLES: Allowed. A valid driver's license is required to operate any type of tow vehicle. All passengers must be seated inside of vehicle with all doors closed. Riding in open hatchback, trunk or cargo area not allowed. ATV's are allowed with a maximum of one passenger who must be seated at all times. Golf carts are allowed with a maximum of three passengers who must be seated at all times. Posted pit speeds must be obeyed at all times. If pit speed is not posted, maximum pit speed will be 10 mph.

SAFETY EQUIPMENT

DRIVER RESTRAINT SYSTEM: SFI 16.1 certification required. (7 point system) recommended

ENGINE CONTAINMENT SYSTEM: ADRL accepted lower engine containment system required. The system must include the oil pump and related components and be a minimum of 3" above ground.

FIRE SYSTEM: Minimum 5-pound ADRL-accepted fire suppression system required. Supercharged cars must utilize a 20-pound minimum ADRL accepted system. One nozzle required inside driver's compartment must be directed at driver's feet. One or more nozzles must be directed at front of engine and fuel cell. **All fire suppression must be released with a single actuation. (i.e. single handle, button or lever)**

HEAD AND NECK RESTRAINT: SFI 38.1 required. An aluminum skid plate located above driver's head is recommended.

HELMET: SN-2000 or newer or SFI 31.2 or 41.2 required. Use of open face helmet prohibited. EjectHelmet Removal System (Part # SDR 890-01-30) or equivalent recommended

MASTER ELECTRICAL CUTOFF: Required. Must be clearly labeled "PUSH OFF".

PARACHUTES: Parachute required. Separate shroud-line mounting points with 1/2" sleeved grade 8 bolts required.

PROTECTIVE CLOTHING: Driver's suit meeting SFI 3.2A/15, gloves meeting SFI 3.3/5 and shoes meeting SFI 3.3/5 required.

RF SHUTDOWN RECEIVER: Properly functioning Electrimotion shutoff device (part numbers SB001 and RF001) required.

ROLL BAR PADDING: SFI 45.1 required.

UPHOLSTERY: Driver's seat foamed with energy absorbing material, formed for the driver and covered with flame retardant material is required. Lateral helmet supports required

WINDOW NET: SFI 27.1 required.