Extreme 10.5

DESIGNATION: XTF or Extreme 10.5 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.

FIELD: 16 car qualified field.

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 1 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 not allowed. All firewalls must be made of steel or titanium (.024 minimum thickness) on chassis manufactured after Oct. 31, 2006. Chassis manufactured on or before Oct. 31, 2006 may have an aluminum firewall (.032 minimum thickness), though steel or titanium is preferred.

FLOORS: Replacing stock floors with .024" steel or .032" aluminum allowed. Driver's side floor pan must be .024" steel and must be welded in place extending from firewall to back of driver's seat. Carbon fiber or composite materials may not be utilized in any portion of the flooring in the driver's compartment except for any panel located behind the driver including suspension covers and wheel tubs.

HOOD SCOOP: Allowed. One opening only.

HEADLIGHTS AND TAIL LIGHTS: Functional headlights (minimum of 3” in diameter) and tail lights are required and must be in stock location. Brake lights must also be functional. If vehicle is equipped with factory recessed headlights, fog lights (minimum of 3” in diameter) in bumper or grill are allowed.

WINDOWS AND WINDSHIELD: Required. May be replaced 1/8 inch think lexan, plexiglass or other shatterproof material.

CHASSIS

BATTERY: Required. All vehicles must be self starting. 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 or 25.2 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. Minimum of 2” for remainder of 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: ADRL accepted tire required. Maximum tire width, regardless of temperature or wear, not to exceed 11.5”. Maximum roll out of 105”, regardless of temperature or wear, as measured with vehicle off of the ground at 8 lbs of air pressure. Manufacturer, model and size information must be clearly designated.

WHEEL BASE: Minimum 90", Maximum 115”. Maximum variation is 2”.

WHEELIE BARS: Required. Non metallic wheels required.

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

DRIVELINE AND ENGINE

CYLINDER BORE SPACING: Bore Spacing is set at a MAXIMUM of 5.300”

DRIVELINE: A full 360 degree drive shaft tube is required over yoke, extended a minimum of 9” (12” recommended, required in 2012) from transmission tail shaft. Minimum thickness of tube housing is .050 chromemoly or titanium. Two piece units accepted with a minimum of 6 3/8” grade 8 bolts.

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

EXHAUST: Automotive type system designed specifically for racing with functional mufflers required. Must utilize a traditional 4 into 1 collector design. Zoomies prohibited. 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 6.3 certification required.

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

INTAKE MANIFOLD: An ADRL accepted burst panel is required on all vehicles. SFI 23.1 certification required on all supercharged entries.

NITROUS OXIDE: Allowed.

REAR END: Automotive type required. Titanium Wheel studs prohibited.

STARTER: Required. All vehicles must be self starting.

SUPERCHARGER AND OVERDRIVE: Use of any size centrifugal, roots-type or screw-type supercharger allowed. Maximum overdrive for a roots-type supercharger is 1.70 (70 percent over). Maximum overdrive for a PSI screw-type supercharger is 2.28 (128 percent over). Maximum overdrive for a Whipple screw-type supercharger is 1.60 (60 percent over). All screw-type superchargers must be certified to SFI Spec 34.1 and overdrive limit established to be eligible for ADRL competition. Any new screw-type supercharger must be accepted for competition prior to competing at an ADRL event. All screw-type superchargers must display a current SFI Recertification tag.

TRANSMISSION: Any type allowed.

TURBOCHARGER: Allowed.

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.

COMPUTER: Allowed.

DATA / ELECTRONICS ACQUISITION: Allowed.

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: SFI 17.1 system required. System must contain a minimum of 20 lbs of fluid or gas fire suppression agent. One nozzle required inside driver's compartment must be directed at driver's feet. Two or more nozzles must be directed at front of engine and fuel cell.

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

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

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

PARACHUTE(S): Dual parachutes required. Separate shroud-line mounting points with 1/2" sleeved grade 8 bolts required for dual parachutes installations.

PROTECTIVE CLOTHING: A driver's suit meeting SFI 3.2A/15, gloves meeting SFI 3.3/15, shoes meeting SFI 3.3/15 and a head sock meeting SFI 3.3 required on all turbocharged and nitrous assisted vehicles. A driver's suit meeting SFI 3.2A/20, gloves meeting SFI 3.3/20, shoes and boots meeting SFI 3.3/20 and a head sock meeting SFI 3.3 required on all supercharged vehicles. A head sock is not required when a helmet manufactured with a skirt meeting SFI 3.3 is used

ROLL BAR PADDING: SFI 45.1 required.

SUPERCHARGER RESTRAINT: SFI 14.2 minimum required on all roots-type superchargers. SFI 14.21 required on all screw-type superchargers. You must utilize the entire assembly including bag, plate and straps.

TRANSMISSION: All transmissions must be covered by a one piece SFI 4.1 restraint.

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

WINDOW NET: SFI 27.1 required.