Pro Junior Dragster

DESIGNATION: PJD followed by car number. Numbers must be at least 4” tall and displayed on both sides the vehicle.

FIELD: 16 car qualified field.

PARTICIPANT: For any racer between the ages of 8-18, both the racer and his or her parent or guardian are a “participant” and are bound by all provisions of these posted rules, and in any administrative or disciplinary process, the parent and/or legal guardian shall participate in administrative or disciplinary process and be responsible for any penalty or other matter in connection therewith.

WEIGHT: Minimum weight (without driver) is 225 pounds.

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

REQUIREMENTS AND SPECIFICATIONS

BODY

AIR FOILS, WINGS: Wings must be bolted to frame structure. Ball lock pins and other quick-release fasteners prohibited. No rear wing may be supported with struts, rods, etc. attached to the roll cage. All rear wing supports must attach to the framerails at least 12 inches behind the roll cage.

BODY: Body and cowl must be constructed of aluminum, fiberglass, or carbon fiber and extend forward to foot-box bulkhead. Driver compartment, frame structure, roll cage, and body must be designed to prevent driver’s body or limbs from making contact with wheels, tires, exhaust system, or track surface. Maximum front end overhang of 15” as measured from centerline of front spindle. All new cars must be accepted by the ADRL competition department prior to construction

DEFLECTOR PLATE: Minimum 1/16-inch aluminum Deflector plate must be installed between roll cage and engine extending from lower framerail to the top of driver’s helmet. Portion between shoulder hoop and top of helmet must be minimum 7 inches wide.

FLOOR: Full floor, mounted on top of lower framerail cross braces, extending from driver’s seat forward to 6 inches past pedals is required.

TAIL LIGHT: Functional rear tail light is required.

WIND DEFLECTOR: Wind screen or deflector constructed from lexan, plexiglass or other shatterproof material required. Must be a minimum of 4 inches tall.

CHASSIS

BATTERIES: Dry cell batteries only. Maximum total weight 5 pounds. Must be securely mounted outside driver’s compartment. An external master electrical shut off clearly labeled “ON and OFF” is required.

Brakes: Rear-wheel disc brakes are required.

CHASSIS: Standard dragster configuration with minimum 5-point roll cage mandatory. Roll cage must extend at least 3 inches in front of the driver's helmet when in driving position. Helmet bars (3/4-inch OD x .058-inch chromoly tubing) are required between the secondary upper roll cage hoop and the upper roll cage rear braces on each side of the car.

FOOT-BOX BULKHEAD: All cars must be equipped with a bulkhead in front of the driver's feet, minimum .024-inch steel, .032-inch aluminum, or .060-inch carbon fiber. Bulkhead must be directly in front of or directly behind foot-box diagonal.

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.

SUSPENSION: Suspension with a maximum upward travel 2 inches permitted.

TIRES: Rear tires minimum 18-inch diameter by 7 1/2 inches wide, Manufacturer, model and size information must be clearly designated.

WHEEL BASE: Minimum 90", Maximum 150". Maximum variation is 2" side to side.

WHEELIE BARS: Permitted, non metallic wheels required.

WHEELS: Front wheels minimum 5 inches in diameter; minimum spindle diameter 1/2-inch. Rear Wheels minimum 8 inches in diameter.

DRIVELINE AND ENGINE

CARBURETORS: Required. Fuel injection prohibited.

CHAIN GUARD: Required, Must cover entire length and width of drive chain.

CLUTCH: Maximum one dry centrifugal-type engine clutch. Chain or belt drive only. Axle clutches prohibited. Clutch cover/guard that provides 180-degree coverage over the top of the entire clutch plate, cover, hat, arms, springs, etc. required. A clutch/crank support is required on any car running 9.99 or quicker

ENGINE: Maximum of one rear-mounted engine. Engine must be based on a five horsepower, single-cylinder four-cycle engine from a recognized OEM or aftermarket supplier. Must retain original five-horsepower engine block configuration. Superchargers and/or turbochargers prohibited.

EXHAUST: No part of the tailpipe may extend more than 27 inches past exhaust attachment point on rear of engine block. Outlet must be directed rearward, away from driver and engine. Mufflers permitted.

FUEL: Gasoline, alcohol, or Gasohol permitted. Nitrous oxide, propylene oxide and nitromethane prohibited. No fuel additives or power enhancers allowed.

FUEL SYSTEM: Fuel tank must be located behind driver, below the shoulder hoop of roll cage. Maximum capacity of fuel tank or cell is 1 gallon.

FLYWHEEL: Aftermarket billet flywheel or aftermarket flywheel shield required. Cast aluminum flywheel prohibited.

STARTER: Pull-rope or remote start required. Any driver activated starting system prohibited.

TRANSMISSION: Gear-type prohibited. Torque converter belt assembly units permitted.

MISCELLANEOUS

CREDENTIALS: A valid ADRL membership and competition license is required. Valid IHRA and NHRA competition licenses may be transferred.

COMPUTER: Prohibited

DATA / ELECTRONICS ACQUISITION: 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.

Jr. Dragsters are not allowed to be under power outside of designated racing areas at any time. Driving of Jr. Dragster in pit area strictly prohibited and will subject participant to disciplinary action

SAFETY EQUIPMENT

ARM RESTRAINTS: Mandatory. Must be worn and adjusted so that the driver's hands and arms cannot be extended outside of roll cage.

DRIVER RESTRAINT SYSTEM: SFI 16.1 certification required

HEAD AND NECK RESTRAINT: Required, Must be commercially produced neck collar designed for racing

HELMET: A full-face helmet meeting 2000, 2005 or SFI 24.1, 24.1/2005, 31.1, 31.2, 31.2A, 31.1/2005, 41.1, 41.2, 41.2A, or 41.1/2005 helmet and shield mandatory. .

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

PROTECTIVE CLOTHING: A driver's jacket and pants meeting SFI Spec. 3.2A/1 required. Shoes, socks and gloves are mandatory.

ROLL BAR PADDING: Required wherever the roll cage may come in contact with the driver's helmet.

UPHOLSTERY: Optional

USE OF SAFTEY EQUIPMENT: Seat belts must be worn and adjusted in such a manner that the driver's torso and head cannot extend outside the parameters of the roll cage. Drivers are also required to properly use safety equipment until the vehicle exits the racing surface and the vehicle is no longer moving. Seat belts, arm restraints, helmets, gloves, neck collars, and face shields must be worn until the vehicle has been shut off. Violators will be subject to disciplinary action at the sole and absolute discretion of ADRL.

RACE PROCEDURES

AGE RESTRICTIONS

- 8-9 year old drivers are dial-in restricted to 12.90 and slower
- 10-12 year old drivers are dial-in restricted to 8.90 and slower
- 13-18 year old drivers are dial-in restricted to 7.90 and slower

Competition is designed to be conducted dial-in restricted based on age restrictions listed above using an E.T. dial-your-own basis; breakout rules apply. In all qualified events, no competitor can qualify quicker than their age restriction dictates. During handicap E.T. bracket-style racing, each competitor must post his or her desired dial-in on his or her car in a manner clearly visible to the tower and available to his or her opponent. Reader boards must be attached to the car. Dial-in cannot be changed after the track-designated "ready line."

PER INSURANCE REGULATIONS: Any competitor running quicker than 7.70 e.t. in the eighth-mile or faster than 85.00 mph at any time during an event will be disqualified from the event.

BREAKOUT RULES

Breakout rules are enforced as follows: Contestants who race below their dial-in or posted index during eliminations are disqualified, with the following exceptions:

1. When an opponent foul starts or crosses a boundary line.

2. On a single run.

3. When both drivers run under their dial-in, the driver who is the least under is the winner, even if they run under the applicable age restricted elapsed time barrier. A second infraction may subject the participant to disqualification from the event at the sole and absolute discretion of ADRL.

4. If two contestants run under by the same margin (with elapsed times extended to a thousandth of a second), the driver crossing the finish line first is the winner.