

# **MARITIME** **Drag Racing**

## **Maritime Bracket Racing Rules**

### **SUPER/PRO CLASS RULES\*\***

**\*\*9.99 and quicker 1/4 mile  
(6.49 and quicker 1/8 mile)**

AXLES: Aftermarket axles and axle retention device mandatory,

BRAKES: Full body cars must have 4 wheel brakes. Cars running 8.49 or quicker 1/4 or 5.49 or quicker 1/8 must have dual stage master cylinder.

DATA RECORDERS: Permitted.

DRIVE LINE: 1 Driveshaft loop required on all cars running 9.99 or quicker in the quarter mile or 6.49 or quicker in the eighth mile.

DRIVER RESTRAINT SYSTEM: Mandatory meeting SFI 16.1 within 2 year expiration from date of manufacture.

FIRE SYSTEM: Required on all closed body cars 8.49 or quicker 1/4 or 5.49 or quicker 1/8. One nozzle located in drivers compartment in front of feet and one nozzle on engine. Safety pins must be red flagged. On all other closed body entries, a properly secured fire extinguisher is mandatory.

FLEXPLATE AND SHIELD: SFI 29.1 Flexplate and SFI 30.1 Shield are mandatory on entries running 9.99 or quicker 1/4 and 6.49 or quicker 1/8.

FLOOR: Floor on all cars 8.49 or quicker in the quarter mile or 5.49 or quicker in the eighth mile. Floor must be steel on the driver's side and welded to chassis minimum thickness .024. All other places may be .040 aluminium.

HARMONIC BALANCER: SFI 18.1 mandatory.

HELMET: SN- 95 or newer or SFI 31.1A, 31.2A, 41.1A or 41.2A mandatory.

LICENSE: See License requirements for specifics.

MASTER CUTOFF: Mandatory.

PARACHUTE: Mandatory on entries at 150 mph 1/4 or 125 mph 1/8.

PROTECTIVE CLOTHING: On all entries running 9.00 or quicker 1/4 or 6.00 or quicker 1/8 mile, a minimum of an SFI 3.2A-5 Jacket and Pants and a 3.3 neck collar are mandatory. 3.3-1 gloves are mandatory on entries running 8.49 or quicker 1/4 mile or 5.49 1/8 mile. Additionally, 3.3 arm restraints and 3.3-1 gloves are mandatory on all on open bodied entries. A 3.2 A-5 jacket is mandatory on all other configurations.

ROLL CAGE: Roll cage mandatory. All entries running 9.00 or quicker 1/4 mile or 6.00 or quicker 1/8 mile must have a current Chassis Certification. See SFI Specifications and General Regulations. All cars equipped with full roll cage must have a window net.

TRANSMISSION SHIELD: SFI 4.1 mandatory.

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### **SUPER/PRO RULES FROM 9.99 - 10.99**

### **PRO CLASS RULES FROM 11.00 - 11.49**

AXLES: Aftermarket axles and axle retention device mandatory on entries running 10.99 and quicker 1/4 mile or 6.99 and quicker 1/8 mile.

BRAKES: Minimum of two rear-wheel hydraulic brakes required. Full body cars must have four wheel brakes. Entries with two wheel brakes require parachute.

DRIVELINE: 1 Drive shaft loop mandatory.

DRIVER RESTRAINT SYSTEM: Must meet SFI 16.1 within 2 year expiration from date of manufacture. See General Regulations.

FIRE EXTINGUISHERS: Properly secured fire extinguisher is required on all closed body cars.

FLYWHEEL/CLUTCH: SFI 6.1. Flywheel shield, mandatory and clutch, pressure plate and flywheel meeting SFI 1.1

FLEX PLATE: SFI 29.1 mandatory if vehicle exceeds 135 mph.

FRAME: See General Regulations.

FUEL SYSTEM: Gasoline, alcohol and propane accepted. All fuel tank filler necks located inside trunk must have filler neck vented to outside of body. All batteries, fuel lines, fuel pumps or filler necks located inside trunk must be isolated from the driver's compartment gas lines must be located outside driver's compartment. Fuel tanks not to be higher than top of rear tires. Fuel cell recommended.

HARMONIC BALANCER: SFI 18.1 balancer required on entries running 10.99 and quicker or 6.99 and quicker 1/8 mile.

HELMET: SN 95 or newer or SFI 31.1A, 31.2A, 41.1A or 41.2A mandatory. See General Regulations.

MASTER CUTOFF: See General Regulations.

PROTECTIVE CLOTHING: Minimum, SFI 3.2A-5 jacket on open bodied entries.

Minimum jacket on closed body entries. Arm restraints are required on all open bodied cars. Minimum SFI 3.3-1 gloves on open bodied entries.

ROLL CAGE/ROLL BAR: Roll cage is mandatory if entry has an altered floor or firewall, or if vehicle exceeds 135 mph. Any vehicle with a full roll cage must be equipped with a window net.

On all other full bodied applications, a six point roll bar is mandatory. A roll cage is mandatory on all convertibles running 10.99 or quicker 1/4

or 6.99 or quicker 1/8 mile. See General Regulations.

TRANSMISSION SHIELD: SFI 4.1 mandatory on all automatic transmissions equipped entries running 10.99 and quicker 1/4 mile or 6.99 and quicker 1/8 mile.

WHEEL BASE: Minimum: 90 " unless car has original engine. Maximum wheel base variation from left to right: 1". Minimum wheel base for dragsters is 125".

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## **PRO CLASS RULES**

***FROM 11.50 to 13.49 1/4 mile***

***FROM 7.50 to 9.00 1/8 mile***

BODY: Mandatory.

BRAKES: Required. Minimum of 2 rear wheel brakes required.

DRIVELINE: Driveshaft loop required on any vehicle which uses racing slicks. See General Regulations.

DRIVER: Must be in stock location. Driver's seat may be moved a maximum of 10" rearward.

FENDERS: Exact duplicates of stock fenders in fiberglass permitted. Rear fenders may be trimmed for tire clearance. All fenders must have the edge re-rolled or beaded if altered.

FRONT OVER HANG: No item or equipment may be added to the front which will add to the overall length of the vehicle.

FUEL SYSTEM: Gasoline, alcohol and propane accepted. Tank must be vented to outside of vehicle. Gas line must be located outside driver's compartment.

HELMET: SN 90 or newer mandatory.

HOOD: Mandatory.

MASTER CUTOFF: See General Regulations.

ROLL BAR/ROLL CAGE: A minimum of a 6 point roll bar is mandatory on all convertibles running 11 .00 to 13.49 1/4 mile and 8.25 or quicker 1/8 mile. A roll cage is mandatory on any entry that exceeds 135 mph. See General Regulations.

STREET EQUIPMENT: One working tail light required.

TRANSMISSION SHIELD: Automatic: It is recommended that cars with modified automatic transmissions, or converters, have a transmission blanket or shield meeting SFI 4.1.

WHEELBASE: Minimum 90" unless car has original engine and OEM is shorter.

Wheelbase variation, left to right 1" maximum.

WINDSHIELD/WINDOWS: Windows may be replaced with 1/8" minimum Lexan.

Windshields and windows must be clear except for factory-tinted safety glass. Windows must be closed during competition, need not be operable. Decals permitted on rear quarter window only.

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## **STREET/SPORTSMAN CLASS RULES**

## **13.50 and slower 1/4 mile**

## **9.00 and slower 1/8 mile**

In addition to the following rules, also see IHRA E.T. Bracket Safety and General Rules. Dragsters and Altereds prohibited in this section.

BODY: Must be full bodied car.

BRAKES: Four-wheel brakes mandatory.

DRIVELINE: Drive shaft loop mandatory on any vehicle using racing slicks. See General Regulations

DRIVER: Must remain in stock location.

ENGINE: Automotive engine only. Must remain in OEM location.

EXHAUST SYSTEM: Headers permitted, must be designed to route exhaust gases away from car. Flex pipe prohibited.

FIREWALL: OEM type mandatory.

FLOOR: Full floor mandatory.

FUEL SYSTEM: One stock location fuel tank maximum. Fuel cells recommended. Top of fuel tank not to be higher than top of tires.

HELMET: SN 95 or newer mandatory on all entries.

HOOD: Mandatory.

MASTER CUTOFF: See General Regulations.

ROLL BAR: Recommended. See General Regulations.

STEERING: Steering box location optional. Steering must be located in conventional location on driver's side of car.

TRANSMISSION: Any OEM type transmission permitted. Neutral safety switch required.

WHEELBASE: Minimum: 90" unless car has original engine and OEM is shorter.

Wheelbase variation left to right: 1" maximum.

WHEELS & TIRES: Must be automotive-type wheels suitable for street use. Racing slicks permitted. Automotive wire wheels or motorcycle wheels prohibited. Minimum wheel size is 13" unless originally equipped with smaller wheels and is using the original engine. Recap tires prohibited.

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# **"Sportsman" Motorcycle**

## **SAFETY REQUIREMENTS**

- 1) Front and rear brakes mandatory.
  - 2) Chain guards and clutch covers mandatory.
  - 3) Engine kill switch attached to Rider on 0 to 10.99 (6.99 1/8th mile) machines.
  - 4) Tank mounted fuel shutoff valve on 0 to 9.99 (6.40 1/8th mile) machines.
  - 4) A "Snap-Back" throttle on all machines.
  - 6) All handlebars must measure at least 10" from the centers of fork clamp, measured horizontally. In no case may the handlebars be mounted below the lower fork clamp on all machines.
  - 7) Rigid front forks are not permitted on any machine.
  - 8) The rear fender of all entries must cover the full width of the tire used, extend to above the rear axle, and below the rider's sitting position.
  - 9) All machines must have properly secured seat, foot pegs, and handle grips.
  - 10) Mirrors, windshields, and all protruding brackets must be removed on all machines. Saddle bags must be empty or removed completely on all machines.
  - 11) Nitrous Oxide permitted on bikes going 9.99 (6.40 1/8th mile) or quicker only.
- Overall safety of all machines will be judged by Committee. Any unsafe machine will not be permitted to race. Any machine that exhibits unsafe handling characteristics at any time will be disqualified until the Technical Committee re-admits the entry.

## **RIDER REQUIREMENTS**

- 1) Each participant agrees to familiarize himself with all applicable rules and regulations prior to competing in any IHRA sanctioned event.
  - 2) SFI 40.1-1 or 40.1-2 suit or jacket or leathers or accepted kevlar mandatory for all riders. All riders who run 10.99 1/4 or 6.99 1/8 or quicker or run 120 mph or faster must wear a 40.1/2 suit or leathers. Two piece suits may be joined at the waist by a zipper. Leather gloves and boots/shoes extending above the ankle mandatory.
  - 3) Helmet: SN-90 or newer, K 98, 2000 or SFI 31.2A or 31.2A mandatory. See General Regulations.
  - 4) All competitors running 9.99 or quicker 1/4 mile, or 6.40 or quicker 1/8 mile must have valid IHRA Competition License.
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# **Snowmobile**

## **ENGINE**

ENGINE: Must be engine specifically designed and manufactured for production snowmobile use. Engine modifications permitted maximum displacement not to exceed 1,000 cc's. Automobile, motorcycle, aircraft or marine engines prohibited

EXHAUST: Any functional silenced exhaust permitted. Exhaust system emission pipe must not protrude more than 3" beyond the chassis or hood.

FUEL: Gasoline or racing gasoline only. Nitrous oxide permitted: see General Regulations. Nitromethane prohibited.

SUPERCHARGER/TURBOCHARGERS: Permitted.

## **DRIVE TRAIN**

CLUTCH: Clutch must be specifically designed and manufactured for snowmobile use. Chains, pulleys, belts and exposed moving parts must be isolated from the driver and other competitors by a securely mounted shield(s), capable of retaining all accidental explosions and allowance impacts. No holes may be drilled in protective shields.

OEM clutch covers/guards are permitted only when the unmodified engine (or unmodified factory designated replacement) used.

Modified engines require a clutch cover/guard which provides 360 degrees elliptical coverage in the direction of clutch/belt travel. The cover/guard must be minimum .090" 2024T3, 6061T6, 7075T6 aluminum or .060" steel and be covered by secured fastened, 6" wide, industrial type belt. Belting material must be minimum .125" 2024T3, 6061T6, 7075T6 aluminum or minimum .090" steel are exempt from the belting covered requirement. Snowmobiles with bolted/removable side panel may bolt clutch cover/guard to side panels. Clutch cover/guard must be separate from the cowl.

DRIVE TRACK: Track must be a flat type configuration. Paddles, studs and spikes prohibited. All snowmobiles 9.99 seconds or quicker must have a track specifically designed for use on all asphalt surfaces. Track lubrication systems prohibited. Trimming of the track prohibited. Track must be free of visible signs of excessive wear. Serial numbers on all asphalt rubber tracks must appear on the left side.

SKIS AND WHEELS: All drive and steering wheels must be of a rubber type, specifically designed for snowmobile use on a dry surface, and installed so as to keep skis from coming in contact with track surface. All skis must be OEM steel, or aftermarket aluminum or steel.

## **BRAKES AND SUSPENSION**

BRAKES: Must be OEM type. Any additional assembly must be added onto the drive axle shaft. Axle shaft may be lengthened to accommodate the additional brake.

SUSPENSION: All snowmobiles must have a minimum 1" of travel in the track suspension. Only steel springs will be permitted. Externally activated suspension systems prohibited. Hyfax must be removed. Minimum of 4 bogie wheels must be utilized on each side of the rear suspension to prohibit the slide rails from coming into contact with rubber track surface. Use of any external slide rail lubrication system prohibited.

## **CHASSIS**

CHASSIS: Any modifications which alter the stock appearance of the tunnel are prohibited.

FUEL TANK: Fuel cell permitted. See General Regulations. Oil injection tank used as fuel tank prohibited., Pressurized fuel tank prohibited.

SNOWFLAP: All snowmobiles must be equipped with a rear snowflap, fastened to the tunnel in a manner that prohibits the snowflap from being drawn into the rear tunnel enclosure (a simple "W" shaped bracket fixed to the upper portion of the rear tunnel stops this.)

## **ELECTRICAL**

MASTER SHUTOFF: Must be equipped with a positive ignition cutoff switch, capable of de-energizing entire ignition system, attached to rider with a lanyard.

TAILLIGHT: Functional taillight mandatory.

## **SAFETY EQUIPMENT**

HELMET: Full face helmet meeting SN 90 or SFI 31.2 or 41.2 mandatory. See General Regulations.

PROTECTIVE CLOTHING: Full all leathers or SFI Spec 40.1/2 suit mandatory on snowmobiles running 120 mph or faster. Two-piece suits must be joined together at waist with a zipper. Jacket and pants or suit meeting SFI Spec 40.1/1 or 40.1/2, leather boots/shoes above the ankle and leather gloves mandatory.

## **RIDER REQUIREMENTS**

1) Each participant agrees to familiarize himself with all applicable rules and regulations

prior to competing in any IHRA sanctioned event.

2) SFI 40.1 -1 or 40.1 -2 suit or jacket or leathers mandatory for all riders. All riders who run 10.99 1/4 or 6.99 1/8 or quicker or run 120 mph or faster must wear a 40.1/2 suit or leathers. Two piece suits may be joined at the waist by a zipper. Leather gloves and boots/shoes extending above the ankle mandatory.

3) Helmet: SN 90 or newer, K 98, 2000 or SFI 31.2A or 41.2A mandatory. See General Regulations.

4) All competitors running 9.99 or quicker

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## ***IHRA Jr. Dragster***

The Junior Dragster program is designed to allow youth, as young as 8 years of age and up to 17, the opportunity to race against their peers in near replicas of the models that the Pros drive. Juniors may compete through the calendar year of their 18th birthday, provided they are in competition between January 1 and their birthday. IHRA Junior Dragsters are restricted to competition in half-scale cars over a distance of 1/8 mile. The competition structure is designed to be conducted on an ET dial-your-own format, or a preset index on a heads-up breakout basis (much like IHRA's Quick Rod class). Functional tail light mandatory on all entries. A photocopy of every competitor's birth certificate must accompany all license applications along with an original parental confirmation agreement and original release and waiver of liability. Competitors must make 6 passes to obtain or upgrade IHRA license. (2 launches, 2 half track and 2 full passes within ET range for respective license).

### **CLASS DESIGNATIONS**

**BEGINNER:** Age 8 or 9 only; ET restricted to 12.90 seconds or slower based on either ET dial-your-own or heads-up basis. Breakout rules apply. One warning will be issued if a competitor runs quicker than 12.70. If the competitor does this a second time at the same event, they will be disqualified from the event. Any competitor running quicker than 12.50 at any time will be disqualified for the remainder of the event.

**ADVANCED:** Age 10 to 17; modified engines meeting IHRA rules accepted. Class based on either dial-your-own ET or heads-up Pro start. ET restricted to 8.90 or slower. Breakout rules apply. One warning will be issued if a competitor runs quicker than 8.70. If a competitor runs quicker than 8.70 a second time, at the same event, they will be disqualified from the event. Any competitor running quicker than 8.50 any time will be disqualified for the remainder of the event.

**MASTER:** Age 12 to 17; must meet all requirements for Advanced, PLUS: minimum 1 full licensed competition season mandatory; the competitor must provide documentation of experience and submit it with all license applications, licensing by IHRA or Track official after 3 approved runs between 7.90 and 8.90; Rack & pinion steering, and steel brake lines are mandatory.

ET 7.90 or slower; maximum speed of 85 mph: One warning will be issued if a competitor runs an elapsed time of 7.80 or quicker or 85 mph. If a competitor does this a second time at the same event they will be disqualified from the event. If a competitor runs 7.70 or quicker they will be disqualified for the remainder of the event and their license will be suspended for 6 months from the date of the infraction.

Due to the radical combinations available for the class additional safety requirements may be mandated if deemed necessary by the technical department.

\*Deep staging not permitted in any index class at any Jr. National Event. 12.90 index is limited to only 8 and 9 year old competitors.

### **Requirements & Specifications**

#### **BODY**

**BODY:** Body and cowl must be structured of aluminum or fiberglass and extend forward to firewall. 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. Front overhang cannot exceed 15", measured from centerline of front spindle to most forward point of car. Body panels must be removable-fastened to tabs welded to frame. Drilling of frame for mounting body prohibited.

FUNNY CARS are acceptable providing design has been approved by the IHRA technical department prior to competition. Additional safety requirements may be imposed based on design characteristics. Contact the IHRA Technical department for specific details.

Maximum Front overhang 25", Minimum height (roof) 35", Maximum Height (roof) 40", Minimum Roof hatch opening 15" x 10".

#### **BURNOUTS**

Vehicles cannot be held in place or touched by a parent or crewmember during the burnout. Vehicles are not permitted to burnout past the starting line. After completing the initial burnout, vehicle may only be pulled back one time prior to reaching the ready line.

#### **DIAL-INS**

The driver and crew are responsible for the accuracy of their dial-in. Dial-ins must be within class and performance limits. Any dial-in below allowable limits will have to be changed to an allowable dial-in before staging.

Dial-ins, and Competition Numbers must be at least 4" tall and clearly posted on both sides of the car, and visible from the control tower.

## DRIVER

The driver must remain in the confines of the roll cage at all times and safety equipment may not be removed until the vehicle has come to a complete stop off the racing surface.

**ARM RESTRAINTS:** Mandatory. Must be worn and adjusted in such a manner that driver's hands and/or arms cannot be extended outside of roll cage and/or frame rails.

Arm restraint shall be combined with the driver restraint system such that the arm restraints are released with the driver restraints. Refer to manufacturer for instructions.

**CREDENTIALS:** Valid IHRA Competition Certificate and IHRA Jr. Membership mandatory.

**HELMET:** Helmet meeting SNELL 90, 95 or newer or K-98, SFI 31.1A, 31.2A, or 24.1 mandatory. Either a full face helmet, shield or goggles mandatory. SFI Spec 31.1A = SNELL SA, open-face helmet Spec 31.2A = SNELL SA full-face helmet SFI Spec 41.1A = SNELL M, open-face helmet SFI Spec 41.2A = SNELL M full-face helmet.

**NECK COLLAR:** Mandatory.

**PROTECTIVE CLOTHING:** All drivers are required to wear a jacket meeting SFI Spec 3.2A-1 as well as full-length pants, shoes, socks and gloves. The use of nylon or flannel pants is prohibited. Competitors running 8.89 or quicker must utilize a minimum of 3.2A-1 pants and a full face helmet in addition to the above requirements. See class requirements for additional details..

**RESTRAINT SYSTEM:** Five-point, 1 3/4" wide minimum driver restraint system mandatory. All seat belt and shoulder harness installations must be mutually compatible, originally designed to be used with each other. Only those units that release all five attachment points in one motion permitted. When arm restraints are worn with a restraint system that utilizes a "latch lever", a protective cover must be installed to prevent arm restraint from accidentally releasing the latch lever. All harness sections must be mounted to the frame cross member, or reinforced mounting, and installed to limit driver's body travel both upward and forward. Wrapping of belts around frame rail prohibited. Under no circumstances are bolts to be inserted through belt webbing permitted for mounting.

## DRIVETRAIN

**CHAIN/BELT GUARD:** All cars must be equipped with a guard to cover the width and at least the top run to the center line of the sprocket of any chains or belts. Guards must be minimum .060" steel, or .125" aluminum, and must be securely mounted; no tie wraps. Moving engine/drivetrain parts must be protected by frame rails or steel or aluminum guards to avoid unintentional contact.

**CLUTCH:** All cars must be equipped with a dry centrifugal-type engine clutch. Chain or belt drive only. Axle clutches prohibited.

**FLYWHEEL:** Stock Briggs & Stratton or Tecumseh cast iron flywheel or "approved" billet flywheel mandatory. Lightening or modifications prohibited. Flywheel key optional. Stock flywheels on alcohol motors must have a scattershield and blower housing. Approved billet flywheel recommended.

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

**BRAKES & SUSPENSION:** Two-wheel hydraulic steel drum or disc brakes, or IHRA accepted mechanical brakes mandatory. Steel brake lines mandatory on 8.89 or quicker. No part of lines may run below bottom frame rails. Drilling of brake components prohibited. Live axle may have brakes on one wheel only if 7" minimum go-cart disc brake is used.

## ELECTRICAL

**IGNITION SHUTOFF:** A positive ignition shutoff switch, within easy reach of the driver, mandatory. A second shutoff switch on the center top portion of the deflector plate within easy reach of the crew or race official mandatory. All entries must have a mechanical shutoff switch to ground the spark plug located within easy reach of the driver. FC additional switch must be on the upper rear drivers side of the vehicle labeled as to function.

## ENGINE

**ENGINE:** All vehicles restricted to a maximum of one, rear-mounted, five horsepower based, four-cycle engine. Porting, polishing and relieving of block is permitted. Welding to intake port is permitted. Machining of deck surface permitted. Adding material to deck surface in any matter will be prohibited. All components must be completely isolated from the drivers compartment. This includes fuel system. Accepted aftermarket engines: Metro Racing flathead, McGee Racing flathead, Tecumseh flathead, Pure Power Racing flathead, LPW Racing Products, JR Race Car flathead, Huddleston Performance flathead and R&S Machine flathead.

**CAMSHAFT:** Any camshaft permitted. Any valve spring permitted. No overhead cams permitted. Any size valves permitted.

**CARBURETOR:** Any means to pass fuel or air to the engine other than normally aspirated carburetor is prohibited. Auxiliary vacuum fuel pump allowed. Pressurized and/or fuel injection systems prohibited. Electric fuel pumps prohibited.

**CYLINDER HEAD:** Aftermarket units permitted. No overhead valve head permitted.

**FUEL:** Gasoline or alcohol only. Nitrous oxide and/or nitromethane and/or propylene oxide prohibited in all classes. Fuel tank must be behind driver's compartment, below the shoulder hoop of roll cage and securely mounted within frame rails. Maximum capacity of one gallon, must have screw-on or positive locking cap. All vents must be routed downward, away from driver and extend beyond the bottom of the fuel cell. No vented fuel caps permitted, except on Briggs & Stratton or Tecumseh stock tanks.

**IGNITION SYSTEM:** Coil must remain stock-type. Maximum one spark plug. MSD Ignition # 41510, 41500, and 42231 are permitted. If the system has a low side rpm

limiter it must be set to 0. Any alterations or additions to the systems are prohibited.

OIL SYSTEM: Oil additives for the intent of producing power prohibited.

STARTER: Pull rope or remote electric starters mandatory. Any driver activated/operated starting system prohibited.

SUPERCHARGER/TURBOCHARGER/NITROUS OXIDE: Prohibited.

THROTTLE: All vehicles must be equipped with a positive throttle return spring which shall close throttle when released. Throttle control must be operated manually by driver's foot: electronics, pneumatics, hydraulics, or any other device may in no way affect operation of the throttle. Throttle stops, other than mechanical (i.e. a positive stop under throttle pedal) prohibited. Must be mounted securely (wire ties prohibited).

## FRAME

BALLAST: No ballast may be installed on the vehicle higher than the top of the rear tires.

CATCH CANS: and lines must be securely fastened.

DEFLECTOR PLATE: A deflector plate of a minimum 1/16" aluminium must be installed between roll cage and engine extending from lower frame rail to the top and width of driver's helmet. Carbon fiber prohibited.

GROUND CLEARANCE: Minimum three (3) inches on all cars.

ROLL CAGE: Mandatory five-point roll cage. Upper frame rails-minimum 1 1/8" diameter by .083. Diagonals-minimum 3/4" by .083". Uprights in driver's compartment must be spaced 20" or less. Must conform to standard dragster configuration as outlined else where in this guide. Mild steel chassis prohibited in the Master classification. Note: cm may be used in place of .083 ms.

SHEET METAL: Driver compartment interior must be aluminium, steel or fiberglass. Magnesium prohibited.

STEERING: All components must have a positive through-bolt or welded connection. All rod ends must be of aircraft quality or better, and they must have a bolt through with lock nut or drilled and cotter keyed. Steering must also have washers on bolts to keep rod ends from pulling through. Minimum spindle diameter is 1/2".

WEIGHT: Any added weight for ballast must be mounted securely using 3/8-inch through-bolts. Hose-type clamps or tie wraps prohibited.

WHEELBASE: Dragsters Minimum 90". Maximum 150" on long side. Maximum 2" wheel base variations from left to right. Funny Cars 70" to 95", Roadsters 65" to 95, (2" variation maximum).

## INTERIOR

GAUGES: Tachometer, temperature and pressure gauges permitted.

SEAT: Properly braced and supported seat constructed of aluminium or fiberglass mandatory,

UPHOLSTERY: Optional.

## RESTARTS

After initial start-up, one chance will be given to restart the car within a reasonable time at the starter's discretion. The crew person should keep the starter close by in case its needed. Push starting any vehicle is prohibited.

## STAGING

Once an entry reaches the front of the staging lanes for a run, it must be prepared to fire and race. In order to be a legitimate race winner, the competitor must start, self stage the vehicle and take the green light. This rule also applies to single runs. All competitors will be given one chance to re-fire their entry, provided it is not pre-staged. Crew members are prohibited from touching the vehicle after it is pre-staged.

Crew members touching the vehicle once it is pre-staged will be disqualified

STAGING: "Auto Start" will be used in all classes at National Events. Once both cars are pre-staged and the first car fully stages, the second car has a predetermined amount of time (15 seconds) to stage before the tree is automatically activated. This predetermined amount of time is referred to as "Time Out". If the second car fails to stage before the system "Times Out", it will be given a red light. If either car rolls deep after "Auto Start" has been activated, the competitor accepts the deep staging and will not be pulled back.

"Courtesy Staging" is mandatory at all Junior events in all categories. If a competitor unintentionally lights both bulbs before the opponent stages, the starter will pull the vehicle back and allow to re-stage. This is considered a "pull back and will only be permitted one time.

DEEP STAGING: Is allowed but not guaranteed. If a car wishes to deep stage, they must clearly write the word "deep" on both sides of the entry in clear view to the starter and control tower. The Auto start system will be activated when both cars are pre-staged, so if you are staging deep you should do it in a timely fashion.

Crew member may assist the entry in the pre-staging of the vehicle. Once the entry is pre-staged, crew members must be behind the vehicle and out of both competitors view. Pull Backs in the case of complete over staging are permitted one time if time permits.

If the auto start system cycles during the pull back, the run will stand.

THE FINAL STAGING MOTION, USING APPLIED POWER, MUST BE IN A FORWARD MOTION GOING FROM PRE-STAGE TO STAGE.

## SUPPORT GROUP

COMMUNICATIONS: 2-way radios prohibited.

COMPUTERS: Prohibited. See General Regulations for specific information.

DATA RECORDERS: Permitted. May be utilized to record engine RPM, cylinder head and exhaust temperature. No sensor of any type may be used on the front wheels or

spindles. All data recorders and related components including switches, push buttons and wires must be located outside of the drivers compartment and isolated from the drivers view. Data recorders may only be activated by a crew member and must be done before the entry reaches the ready line of the cone. The units may not display any information to the driver or remote location. A tachometer that incorporates download capabilities is classified as a data recorder. (See General Regulations: Data Recorders/Electronic Devices for specific information.)

GAUGES: Engine and Cylinder head temperature gauges are permitted. A tachometer meeting specific guidelines is also permitted. (See General Regulations: Data Recorders/Electronic Devices for specific information).

STAGING DEVICES: Mechanical, hydraulic, electric or pneumatic staging systems prohibited.

### **TIRES & WHEELS**

TIRES: Rear tires; 18" diameter x 7 1/2" wide minimum, measured at widest or tallest point. All front tires must have a manufacturer's maximum inflation rating. Tires may not be inflated above manufacturer's rating. All tires must be pneumatic. No solid tires. Treatment of tires in the lanes, burnout area or starting line is not permitted and tire covers must be removed before entering staging lanes.

WHEELS: Front wheels, five-inch diameter minimum with a minimum spindle diameter of 1/2". Front spindle must be able to retain a cotter pin, or use a nylon locking-type nut, Rear wheels, eight-inch diameter minimum. No modifications allowed to any wheels.

### **TOWING**

Tow vehicles in the form of golf cart, three or four-wheel support vehicle is mandatory. Full-size tow vehicles prohibited. Driving of Jr. Drag Racing vehicle through pits is prohibited. Tow vehicle to be operated "ONLY" by an adult or street-licensed individual. Any time a Jr. Drag Racing vehicle is being towed, the driver must be seated in the cockpit. No passengers. The tow strap may not be attached to any point of the roll cage. It is recommended that all entries utilize a fluorescent or brightly colored flag attached to the entry any time the vehicle is being towed. Minimum height of flag is five feet.

### **WARM-UPS**

Any time a car is started, whether in the pits or in the staging lanes, a qualified driver must be seated in the vehicle.

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