



TOP FUEL CLASS REGULATIONS

Effective 2nd May 2023

Reserved for supercharged, nitro methane-burning dragsters, built specifically for all-out drag racing competition. Minimum weight at conclusion of run 2300lbs, including driver.

Electrimotion Safety Shut Down System Mandatory

All competitors must comply to all Safety and General Regulations

Top Fuel Licence Required - Medical Required

IHRA Technical Inspection Required (Logbook included)

Pro Tree - Heads Up

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| 13310 | Class Reg | Top Fuel | Body | Airfoils/Wings | SFI 2.3H - compliant rear wing supports. | Mandatory |
| 13320 | Class Reg | Top Fuel | Body | Airfoils/Wings | Strut mounting points are to the rear of the engine plate. | Mandatory |
| 13330 | Class Reg | Top Fuel | Body | Airfoils/Wings | The distance between the secondary and main mounting points is at least 760 mm (30 inches). | Mandatory |
| 13340 | Class Reg | Top Fuel | Body | Airfoils/Wings | Attached at any point, including supports, to transmission components, engine or bellhousing. | Forbidden |
| 13350 | Class Reg | Top Fuel | Body | Airfoils/Wings | Fixed and immovable during a run. | Mandatory |
| 13360 | Class Reg | Top Fuel | Body | Airfoils/Wings | Fitments are bolted or welded. | Mandatory |
| 13380 | Class Reg | Top Fuel | Chassis / Frame | Frame/ chassis | If constructed pre 1996, then complies with at least SFI 2.3G. | Mandatory |
| 13390 | Class Reg | Top Fuel | Chassis / Frame | Frame /chassis - cross member | Either K or X member (welded only), of tubing sized 18.75 mm (3/4 inch) x 0.058 inches (1.5 mm), with no cross member OR cross member and diagonal (bolted, clamped or welded) of tubing sized 18.75 mm (3/4 inch) x .058 inches (1.5 mm) AND either option is installed no more than 150 mm (6 inches) away from the point where the lower frame rails and the front engine mount uprights intersect. | Mandatory |
| 13400 | Class Reg | Top Fuel | Chassis / Frame | Chassis | If Professional Racing Category and Top Fuel, then complies with SFI 2.3J or later version. | Mandatory |

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| 13410 | Class Reg | Top Fuel | Chassis / Frame | Brakes - Rear | Hydraulic disc | Mandatory |
| 13420 | Class Reg | Top Fuel | Chassis / Frame | Brakes - Rear | At least 280 mm (11 inch) diameter | Mandatory |
| 13430 | Class Reg | Top Fuel | Chassis / Frame | Brakes | Brakes operated by hand or foot. | Allowed |
| 13440 | Class Reg | Top Fuel | Chassis / Frame | Roll cage - shroud | Roll cage shroud mounted at rear of roll cage | Mandatory |
| 13450 | Class Reg | Top Fuel | Chassis / Frame | Roll cage - shroud | Roll cage shroud, shape conforms to roll cage. | Mandatory |
| 13460 | Class Reg | Top Fuel | Chassis / Frame | Roll cage - shroud | Roll cage shroud material is 0.080 inch steel or titanium. | Mandatory |
| 13470 | Class Reg | Top Fuel | Chassis / Frame | Roll cage - shroud | Shroud attached to both side bars, using at least 3, Grade 8, 5/16 inch bolts on each side. | Mandatory |
| 13480 | Class Reg | Top Fuel | Chassis / Frame | Roll cage - shroud | Shroud attached to rear bar using at least 2, Grade 8, 5/16 inch bolts. | Mandatory |
| 13490 | Class Reg | Top Fuel | Chassis / Frame | Roll cage - shroud - bolt heads | Shroud bolt heads, hex style, ½ inch. | Mandatory |
| 13500 | Class Reg | Top Fuel | Chassis / Frame | Wheels - drive | Rear wheels/rims SFI 15.3. | Mandatory |
| 13510 | Class Reg | Top Fuel | Chassis / Frame | Wheels | Rear wheels/rims if SFI 15.4 then mates with drive hub type. | Mandatory |
| 13520 | Class Reg | Top Fuel | Driver / Rider | Helmet | Full face helmet, in compliance with one of SA2015 and SA2020 , SFI 31.2 (or later). | Mandatory |
| 13530 | Class Reg | Top Fuel | Driver / Rider | Helmet | Helmet skirt which meets SFI 3.3/10, and balaclava meeting SFI 3.3 or SFI 8856-2000 | Allowed |
| 13540 | Class Reg | Top Fuel | Drivetrain | Chassis - axle - Ratio | 3.20:1 gear ratio. | Mandatory |
| 13550 | Class Reg | Top Fuel | Drivetrain | Chassis - axle - rear | Full floating hubs or live axle assembly. | Mandatory |
| 13560 | Class Reg | Top Fuel | Drivetrain | Flywheel Shield / bellhousing | Flywheel Shield / bellhousing | Mandatory |
| 13570 | Class Reg | Top Fuel | Engine | Engine | Engine no more than one. | Mandatory |
| 13580 | Class Reg | Top Fuel | Engine | Engine - capacity | Maximum 500 cubic inches. | Mandatory |
| 13590 | Class Reg | Top Fuel | Engine | Engine - configuration | Engine - configuration 90 degree V8. | Mandatory |
| 13600 | Class Reg | Top Fuel | Engine | Fuel Grade | Steel braided lines and steel fittings for fuel gauge lines inside the driver's compartment | Mandatory |
| 13610 | Class Reg | Top Fuel | Engine | Fuel Grade | Blends of nitro methane. | Allowed |
| 13620 | Class Reg | Top Fuel | Engine | Fuel Grade | Blend of at least 50% nitro methane and remainder methanol. | Mandatory |
| 13625 | Class Reg | Top Fuel | Engine | Electrimotion | Electrimotion shut down system must be installed and operational to utilise the following functions. Fuel shut off, Ignition shut down and parachute release devices must be functional. | Mandatory |

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| 13626 | Class Reg | Top Fuel | Electrimotion | Electrimotion | Electrimotion is not to be used as the primary activation of parachute (referred to as "driving into the chutes". This is not the intention of the system; this is for emergency situations to provide a secondary back up when a driver is incapacitated. Drivers should always be responsible for the activation of the chutes, fuel and ignition shut off under their own actions. Drivers should always operate the vehicle naturally and not rely on automation. IHRA Technical can at any time review/request your data to ensure that ELECTRIMOTION is used appropriately. Penalties will be put in place of the ELECTRIMOTION system is not used correctly to the manufacturer's instructions. | Mandatory |
| 13627 | Class Reg | Top Fuel | Electrimotion | Electrimotion Controller | Safety shut off controller kit must be properly installed per the manufacturer's instructions. Modifications of or tampering with the ELECTRIMOTION shut off controller kit prohibited. | Mandatory |
| 13627 | Class Reg | Top Fuel | electrimotion | Electrimotion Driving Conduct/Standards | As per regulation 13626. It is important to note that unsafe driving practices will be enforced at all events. Any driver in which is deemed to be in breach of the rule. 1. Competitor will be logged. 2. Second offence \$200 monetary fine. 3. Third offence \$500 monetary fine and disqualification from the event. 4. In the case of a competitor breaching these standards at a championship round will see a demerit points system included. (i.e., deduction of championship points). | Mandatory |
| 13640 | Class Reg | Top Fuel | Engine | belly pan | Engine oil retention pan installed. | Mandatory |
| 13650 | Class Reg | Top Fuel | Engine | belly pan - material | Material is either 0.05 inch aluminium or 0.04 inch carbon fibre / Kevlar. | Mandatory |
| 13660 | Class Reg | Top Fuel | Engine | belly pan - forward extent | Extend forward by at least 1 inch past the lower supercharger pulley. | Mandatory |
| 13670 | Class Reg | Top Fuel | Engine | belly pan - rearward extent | Extend rearward no further than the cross member that is beneath the pinion flange. | Mandatory |
| 13680 | Class Reg | Top Fuel | Engine | belly pan - width | Width is less than or equal to the lower frame rails outer edge. | Mandatory |
| 13690 | Class Reg | Top Fuel | Engine | belly pan | Size is such that sides extends to the top of the upper frame rails. | Mandatory |
| 13700 | Class Reg | Top Fuel | Engine | belly pan | Design is one piece or is sealed and retains oil. | Mandatory |
| 13710 | Class Reg | Top Fuel | Engine | Bulkhead - lip | Bulkhead retains oil during deceleration or acceleration. | Mandatory |
| 13720 | Class Reg | Top Fuel | Engine | Bulkhead - lip | Front bulkhead is at least 4 inches (100 mm) high. | Mandatory |
| 13730 | Class Reg | Top Fuel | Engine | Bulkhead - rear | Rear Bulkhead is rearward of the back of the bellhousing. | Mandatory |
| 13740 | Class Reg | Top Fuel | Engine | Bulkhead | Oil is contained within the bulkhead confines. | Mandatory |
| 13750 | Class Reg | Top Fuel | Engine | Lower engine containment device | Lower engine containment device in use | Mandatory |
| 13760 | Class Reg | Top Fuel | Engine | Supercharger | Supercharger Roots. | Mandatory |
| 13770 | Class Reg | Top Fuel | Engine | Supercharger | Supercharger Screw type | Forbidden |
| 13780 | Class Reg | Top Fuel | Engine | Supercharger | Restraint system complies with SFI 14.3. | Mandatory |
| 13790 | Class Reg | Top Fuel | Engine | Supercharger | SFI 23.1 -compliant manifold burst panels | Mandatory |

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| 13800 | Class Reg | Top Fuel | Engine | Throttle stop | Use of a mechanical throttle stop which the driver cannot reach that limits throttle blade opening to a maximum of 0.300 inches during burnouts. | Mandatory |
| 13810 | Class Reg | Top Fuel | Engine | Engine - type | Reciprocating,90-degree V8 single camshaft, automotive type engine permitted. | Mandatory |
| 13815 | Class Reg | Top Fuel | Engine | Engine - type | SAINTY Engine | Allowed |
| 13820 | Class Reg | Top Fuel | Vehicle | Parachute | Dual Parachute shroud attachment points utilising one times 1/2Inch bolt minimum and a one times 1" Bush per shroud line attachment. | Mandatory |
| 13825 | Class Reg | Top Fuel | | | This Bracket will be contested over 1000ft | mandatory |