



Basic NHRA Safety Rules



This is general information only and you should always refer to the current "Official NHRA Rule Book".

Street Cars

The following items are required for a vehicle and driver to pass tech: Good tires, a solid battery hold down, radiator overflow reservoir, functioning neutral-safety switch, seat belts, and a valid state driver's license or NHRA competition license for all participants. The driver must wear long pants, closed toe shoes, and a shirt.



The Street Legal category is reserved for foreign and domestic OEM production type automobiles, motorcycles, and trucks. All vehicles must be street driven and drivers must carry a state issued proof of registration and valid insurance information. All vehicles must also display a valid license plate(s).

Vehicles participating in Street Legal events must be able to pass all state highway safety requirements for the state in which the vehicle is registered and retain all OEM safety features.

2008-2013 OEM model-year production cars are permitted to run no quicker than 10.00 (*6.40 eighth-mile) and/or no faster than 135 mph.

2014-Curent OEM model-year production cars are permitted to run no quicker than 9.00 (*5.65 eighth-mile) and/or faster than 150 mph.

Drivers in vehicles running slower than 11.50 (*7.35 eighth-mile) and/or slower than 135 mph are required to wear full-length pants (no shorts); shirt- or long-sleeved shirt (no tank tops); closed shoes (no open-toe or open-heel shoes or sandals); socks and a helmet. See General Regulations 10:7 for helmet requirements.

Drivers in vehicles running quicker than 11.49 (*7.35 eighth-mile) or slower than 9.00 (*5.65 eighth-mile) or faster than 135 mph or slower than 150 mph are required to wear a minimum SFI 3.2A/1 jacket; full-length pants (no shorts); closed shoes (no open toe or open-heel shoes or sandals); socks and a helmet. See General Regulations 10:7 for helmet requirements.

Unaltered OEM, antilock brakes, airbag functions, stock frame\ unibody construction, including floors and firewall, as well as all other OEM safety-related systems, must be functioning as per manufacturer's specifications. Tires used may be other than OEM, but they must be DOT approved.

Convertibles quicker than 13.49 (*8.25 eighth-mile) and T-tops quicker than 11.49 (*7.35 eighth-mile) must meet Summit Racing Series roll-bar and roll-cage requirements.

NHRA Level 7C license is available but not required for drivers running slower than 9.99 (*6.39 eighth-mile) or slower than 135 mph.

NHRA Level 6C license is required for drivers running quicker than 9.99 (*6.39 eighth-mile) and slower than 9.00 (*5.65 eighth mile) or faster than 135 mph or slower than 150 mph).

****If your vehicle does not meet the requirements above, see the ET / MPH requirements below.**



Basic NHRA Safety Rules



13.99 seconds (8.59 1/8th)

Drive Line Loop with slicks

Approved helmet (Full face in open cars), see below

SFI 3.2A/1 Jacket in vehicles equipped with non-OEM nitrous oxide, turbochargers or superchargers

13.49 seconds (8.25 1/8th)

Roll bar in convertibles

SFI seat belts in convertibles

11.99 seconds (7.49 1/8th)

Steel Valve Stems

Arm Restraints (open cars)

11.49 seconds (7.35 1/8th)

SFI 1.1 or 1.2 Flywheel / Clutch

SFI 6.1, 6.2, 6.3 or 9.1 Flywheel shield

SFI 3.2A/1 approved jacket

6 point roll bar

SFI approved seat belts

10.99 seconds (6.99 1/8th)

SFI 4.1 Transmission Shield, or at 135 mph

Locking transmission dipstick tube

Aftermarket axles and axle retainers

SFI Harmonic Balancer

Roll Cage with altered floor pans, or 135 mph - Window net required

Ignition cut-off on all bikes / snowmobiles that exceed 135 mph

9.99 seconds (6.39 1/8th) or 135 mph

NHRA Chassis Certification

NHRA Competition License

SFI jacket & pants 3.2A/5

SFI neck collar & gloves 3.3/1

SFI 29.1 flexplate / 30.1 flexplate shield (AT equipped cars)

Full Face Helmet meeting Snell or SFI specifications

Window Net

150 mph Parachute

8.50 seconds (5.35 1/8th)

NHRA / SFI 25.4, 25.5, 25.6 Chassis Certification



Basic NHRA Safety Rules



7.49 seconds (4.49 1/8th)

For cars running between 7.49 (*4.49) and 6.00 (*3.66) seconds.

NHRA / SFI 25.1, 25.2, 25,3, Chassis Certification

NHRA Competition License - Advance ET (Medical Required)

Jacket and pants or suit meeting SFI Spec 3.2A/15,

Gloves meeting SFI Spec 3.3/5,

Boots or shoes meeting SFI Spec 3.3/5

Head and neck restraint device/system meeting SFI 38.1 is mandatory

An SFI 27.1 ribbon-type or mesh-type window net is mandatory

FIRE EXTINGUISHER SYSTEM Minimum 5-pound NHRA-accepted system mandatory on all cars,

200 mph Dual Parachutes

License

Drivers 16 and 17 years of age must have a valid waiver signed by both parents to participate as a driver or passenger. Virtually anyone can compete in drag racing. Drivers 18 years of age and over are required to have Valid State Driver License, and must be capable of the safe operation of their vehicle.

Vehicles running 9.99 E.T. (Elapsed Time) and quicker require a NHRA Competition License and the chassis must have a current NHRA Chassis Certification.

Drivers running 7.49 E.T. and quicker require an NHRA Advanced ET Competition License.

Auto Trans Reverse Lockout / Neutral Safety

Any non-OEM (ie aftermarket) automatic floor-mounted transmission shifter must be equipped with a spring-loaded, positive reverse lockout device to prevent the shifter from accidentally being put in reverse gear. **A functional neutral safety switch is also required.**

Roll Bars

Unless otherwise required by your class, 6 point roll bars are required on convertibles running quicker than 13.49. Roll Bar required on all cars (including T-tops) running quicker than 11.49.

Roll Cages

Roll Cages required on convertibles running 10.99 or faster than 135mph.

Roll Cages required on all cars running 10.99* or faster than 135mph.

*One exception: full-bodied cars running between 10.00 and 10.99, with unaltered firewalls, floor and body (from firewall rearward - wheel tubes permitted) can compete with just a roll bar.

Vehicles running 9.99 E.T. (Elapsed Time) and quicker require a NHRA Competition License and the chassis must have a current NHRA Chassis Certification.

Lower Engine Containment/Oil Retention Device

**Note: Some tracks /events may require a diaper or containment pan based on ET such as (10.00 and faster)

All cars running 7.49 or quicker must utilize an NHRA accepted lower engine oil-retention device; may use a belly pan in lieu of a device attached to the engine. The belly pan must extend from framerail to framerail and extend forward of the harmonic balancer and rearward to rear engine plate and must incorporate a minimum 2-inch-high lip on all sides. A nonflammable, oil-absorbent liner mandatory inside of retention device.

Liquid Overflow

All cars must have a recovery system or catch can (minimum of 16 oz.) for the car's radiator.

Helmets

****Note: Some tracks and/or events may require a Helmet regardless of ET / MPH.**

Drivers of all 13.99 or quicker cars, including motorcycles, must wear a helmet meeting Snell or SFI Specifications. Full-face helmet mandatory on all cars 9.99 (1/4 mile)/6.39 (1/8 mile) or quicker. Shield mandatory 7.49 (1/4 mile) and quicker. Drivers must use a helmet meeting Snell, SA2015, M2015, or SFI 31.1/2015, or 41.1/2015 Specs.

NHRA Helmet Expiration Dates			
Label	Expires	Label	Expires
Snell 2015	1/1/2027	SFI 24.1/2020 (JDRL only)	1/1/2032
Snell 2020	1/1/2032	Snell CMR 2016 (JDRL only)	1/1/2028
SFI 31.1 and 41.1/2015	1/1/2027	FIA 8860-2010	1/1/2028
SFI 31.1 and 41.1/2020	1/1/2032	FIA 8860-2015	1/1/2033
SFI 24.1/2015 (JDRL only)	1/1/2027	FIA 8860-2018	1/1/2036



Label located inside of helmet, usually under foam.

NECK COLLAR/HEAD AND NECK RESTRAINT DEVICE/SYSTEM

Neck collar meeting SFI Spec 3.3 mandatory in all open bodied cars and any car running 9.99 (*6.39) or quicker or cars exceeding 135 mph. A head and neck restraint device/ system may be used in lieu of a neck collar.

A head and neck restraint device/system meeting SFI 38.1 is mandatory for any vehicle running 200 mph or faster or running 7.49 (*4.49) or quicker or by Class Requirements.

An SFI 3.3 head sock or SFI 3.3 skirted helmet is required where a neck collar is required but has been substituted with a head and neck restraint device.

Seat Belts

All cars must be equipped with an accepted quick release type driver seat belt. All cars in competition requiring a roll bar or roll cage, or as outlined by Class Requirements, require a Driver Restraint System as outlined below.

Driver Restraint Systems

A quick-release, 3-inch shoulder harness meeting SFI Spec 16.1, including crotch strap, is mandatory in all cars in competition required by the rules to have a roll bar or a roll cage. Driver restraint system must be clearly labeled as meeting SFI Spec 16.1 and be dated by manufacturer. **System must be updated at two-year intervals from date of manufacture.** All seat belt and shoulder harness installations must be mutually compatible, originally designed to be used with each other, and produced by the same manufacturer. Cars using OEM or OEM type seat may route crotch strap in front of seat instead of through seat. Only those units that release all five attachment points in one motion are 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. Protective cover not needed if system uses "duckbill" latch hardware. 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.



Basic NHRA Safety Rules



ARM RESTRAINTS

Mandatory in open-bodied/convertibles cars running 11.99 (*7.49) or quicker.

Nitrous Oxide

Commercially available nitrous oxide permitted, including supercharged and turbocharged engines. Nitrous bottle(s) in driver compartment must be equipped with a relief valve and vented outside of driver's compartment. Bottle(s) must be stamped with a DOT-1800 pound rating and permanently mounted (no hose clamps or tie wraps). Hoses from bottle(s) to solenoid must be high-pressure steel-braided or NHRA-accepted hoses. Commercially available, thermostatically controlled, blanket-type warmer accepted. **Any other external heating of bottle prohibited, i.e. torches absolutely forbidden.**

Drive-shaft loop

For cars with driveshafts that contain universal joints: For all full-bodied and open-bodied cars running between 7.50 (*4.50) and 13.99 (*8.59) in place of a crossmember located behind but within 6 inches of the center of the front universal joint: A front driveshaft loop is required on all cars, except vehicles running 11.49 (*7.35) seconds or slower equipped with street tires.

Battery Relocation / Master Cutoff

Mandatory when battery is relocated, or as outlined in Class Requirements. An electrical power cutoff switch (one only) must be installed on the rearmost part of each vehicle and be easily accessible from outside the car body. This cutoff switch must be connected to the positive side of the electrical system and must stop all electrical functions including magneto ignition. The off position must be clearly indicated with the word "OFF." If switch is "push/pull" type, "push" must be the action for shutting off the electrical system, "pull" to turn it on. Any rods or cables used to activate the switch must be minimum 1/8-inch diameter. Plastic or keyed switches prohibited. Switches and/or controls must be located behind rear wheels on rear-engine dragsters.

Wheels & Lug Nuts

All wheels must have ALL lug nuts in place and securely fastened. All street tires must have minimum 1/16 inch tread depth.

Vehicles with slicks must have open ended lug nuts. The thread engagement on all wheel studs to the lug nut, or lug bolts to wheel hubs, must be equivalent to or greater than the diameter of the stud/bolt. Length of the stud/bolt does not determine permissibility. (Example: A 7/16-inch stud must be thoroughly engaged through the threads in the hex portion of the lug a minimum of 7/16-inch.)