

# DRAG TRACK PRIVATE RENTAL SELF TECH INSPECTION



## General Driver/Rider Information

Drivers and motorcycle riders must be at least 16 years old with a valid driver’s license (NO PERMITS). Drivers and riders under 18 years old must have a Minor Release and Waiver of Liability Form signed by legal guardians (forms available at race track). All drivers/riders of vehicles running quicker than 10.00 seconds must have a valid NHRA competition license, FAA physical needs to be completed on NHRA Form before first license run is made. Co-drivers when permitted may ride in vehicles running 14.00 seconds or slower on a single lane pass, passenger must be minimum 14 years old.

*This form must be completed and signed by the person who inspected and approved the following items. If you are not qualified to inspect your own vehicle, it must be inspected by someone who is qualified, and who signs below.*

**INSPECTOR: Complete the following as applicable to anticipated ET, MPH, and/or Class; please indicate compliance as ✓ and indicate non-compliance as X**  
**Required Quick Rule Reference for Street Driven Vehicles**

- Valid Non- Restricted Drivers Licence
- Seat belts and seats bolted to floor or frame.
- Mandatory: Helmet, meeting Snell 2005 or newer.
- Good tires – hubcaps must be removed for racing
- All wheel lug nuts must be used
- Taillight required for evening running
- Good brakes
- Battery tie-down
- Radiator overflow catch can
- Air cleaner or hood
- All windows intact and rolled up
- Muffler required
- Shirt and full-length pants required. No tank tops, bare torsos, shorts or exposed feet.

GENERAL RULE STATEMENT: Vehicles participating in drag racing events must be presentable at all times. Vehicles that are improperly prepared may be rejected by the Tech Official. Any rider/driver or crew member or person in association with a rider/driver or crew member who is considered to be under the influence of any drug, alcohol or any judgment impairing substance will be expelled from the race and escorted off of the premises together with the entire crew and vehicle associated with the offender. Alcoholic beverages of any kind are prohibited from being brought into the facility. Speed limit in the pit area, return road and other areas is 10 MPH and no burnouts are allowed on return road. Violators endangering others with reckless and/or inconsiderate driving habits (whether it be in/on a race vehicle or a pit vehicle) will be expelled from the facility along with the entire crew and race vehicle. Upon entering the race, racers agree to abide by the aforesaid rules and that all interpretation of rules, questions and protest is the domain of the Race Director. Castrol Raceway is an NHRA member track. We recommend that you purchase a current NHRA Rule Book for a complete set of rules. The following rules are abridged for those not owning an NHRA Rule Book.

RULE BOOK DISCLAIMER The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or official. The race director shall be empowered to permit minor deviation from any of the specifications herein or impose any further restrictions. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

TO BE FILLED OUT BY INSPECTOR		
Make:	Model:	Year:
Plate Number	Province	
Owner (PRINT)		DL#
Date Inspected:	Inspector (PRINT)	Inspector’s Signature

# GENERAL TECHNICAL REQUIREMENTS

## Body/Frame

- Seat belts and seats bolted to floor or frame.
- Seats (other than stock) must be braced, framed, supported - aluminium or fiberglass.
- Must have mechanical means of outside driver's door entry.
- Firewall - all openings must be sealed with metal.
- Interior panels (other than stock) must be aluminium (.032) or steel (.024). Magnesium not permitted.
- Driver side door panel must be covered.
- Must have minimum 16 oz radiator coolant overflow can.
- All windows must be clear. (Only factory tinting acceptable).
- Must have a minimum of 3" ground clearance.
- No loose or liquid ballast allowed. All ballast must be installed with 2 1/2" diameter bolts min.
- Fuel tanks must be externally vented and no higher than top of rear tire. Fuel blocks/regulators must be 6" forward of bellhousing and/or firewall.
- Gas cap mandatory. NO rags.
- Rock shields, front and rear, are recommended to keep rocks and sand out of body cavities (wheel wells).

## Wheels/Tires

- Wheel studs must be threaded into the hex portion of lug nuts a distance at least equal to the diameter of the stud.
- Rock shields, front and rear, are recommended to keep rocks and sand out of body cavities (wheel wells)
- Tires must be considered safe. Street tires must have 1/16" tread depth and be free of deficiencies.
- Hub caps and trim rings must be removed.
- No recaps on cars going faster than 12.00 seconds.
- Recaps with a truly conventional wet/dry complex tread design will be allowed in the "DOT required" classes only. All other recaps will only be allowed in the "slicks allowed" class.

## Exhaust System

- No flexible exhaust pipe allowed. Exhaust must be routed away from driver and fuel tank.

## Steering/Suspension

- Must have correct steering geometry and sufficient brakes to stop car (min. 2 rear wheels).
- Steering wheel diameter no less than 11" (unless legal in NHRA Class car is built for).
- Must have shock absorbers (one per sprung wheel).
- Traction bars and mounting brackets cannot be lower than the lowest edge of the wheel rim. If not attached at front, need U-bolt or strap. Ladder Bar cars must have restraining strap around front attachment point.

## Electrical

- Batteries (in stock location): Stock tie downs (in good condition) are acceptable
- Batteries (relocated): Must use minimum 3/8" diameter bolts (no "J" bolts) for hold-down. Battery shutoff switch must be installed at the rear of the vehicle that will shutoff all electrical functions including engine operation.
- Battery must be isolated from driver's compartment by metal bulkheads. This includes complete flooring. All holes must be plugged.
- Must have positive on/off action ignition switch within easy reach of driver.
- All vehicles must be self-starting.
- One working tail light required.

## General Engine

- All carburetors must be covered. Hood scoop not more than 11" above hood.
- Rubber fuel line is restricted to 12" total (maximum) from front to rear.
- No plastic oil lines in driver compartment

## Nitrous Oxide

- Nitrous Oxide if mounted in driver's compartment must be equipped with relief valve and vented outside of compartment.
- Nitrous Oxide bottle must be bolted directly to vehicle body and or frame (no sheet metal bolts/screws)

## Transmission/Clutch

- Non-stock floor mounted auto transmission shifter must be equipped with a positive reverse lock-out device secured to shifter/transmission (not frame).
- Transmission shield mandatory on all cars running 10.99 seconds or quicker.
- Functional neutral safety switch mandatory.
- Flywheel and clutch meeting SFI Spec 1-1 or 12 and flywheel shield meeting SFI Spec 6-1 or 6-2 mandatory in any car running 11.49 sec. or quicker with manual transmission.

## Fuel System

- Fluid leaks of any kind are not allowed
- Fuel lines/blocks/regulators and isolators must be 6" forward of bell housing and/or firewall
- Gas cap mandatory. NO rags.
- Fuel systems must be isolated from drivers compartment by metal bulkheads. This includes complete flooring. All holes must be plugged.

## ADDITIONAL RULES FOR CARS RUNNING 12.00 TO 13.99 SECONDS

- All drivers must have a Snell approved helmet containing the required qualification sticker (Snell 2005 or newer).
- Cars with slicks running 13.99 or quicker and any car running 11.49 or quicker must have a full circumference driveline loop within 6" of front universal joint.
- All convertibles running 12.00 to 13.99 seconds and all dune buggies 12.00 and slower must have an approved roll bar/side bar and head protector sufficiently padded and utilize an approved five point quick release seat belt/shoulder harness (SFI Spec 16-1, 3" straps, 2 year interval) and face shield or goggles.

## ADDITIONAL RULES FOR CARS RUNNING 10.00 TO 11.49 SECONDS

- After market rear axles required for cars running 10.99 seconds or quicker.
- All cars must have an approved, sufficiently padded roll bar/side bar and head protector and utilize an approved 5-point quick release seat belt/shoulder harness. (SFI Spec 16-1, 3" straps, 2 year interval).
- Roll Cage with window net required on all cars with modified firewall or floor panels faster than 11.00.
- After market harmonic balancer mandatory on all cars running 10.99 seconds or quicker (SFI Spec 18.1).
- Manual transmissions require an explosion proof flywheel, clutch, pressure-plate and flywheel shield meeting SFI Spec 1-1 or 1-2.
- All drivers must wear an approved protective jacket (3.2A/1).
- Arm restraints and gloves mandatory in open bodied cars running 11.99 seconds or quicker.
- All drivers must comply with NHRA clothing specifications, see NHRA Rulebook.
- All convertibles running faster than 11.00 seconds must have an approved roll cage.
- Trans shield (SFI 4-1) required on all automatic transmissions for cars running 10.99 or quicker.
- No independent rear suspension on cars faster than 11.00

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## ADDITIONAL RULES FOR CARS RUNNING QUICKER THAN 10.00 SECONDS OR FASTER THAN 135 MPH

- All drivers must comply with NHRA driver licensing (10.00 seconds and quicker only) and clothing specifications, see NHRA Rulebook. **Licence #** \_\_\_\_\_
- NHRA chassis classification required. A 90-day temporary chassis certificate is available from Castrol Raceway TECH personnel to be used for E.T. type racing only. This will not be performed during normal tech inspection. Please call for an appointment.
- All cars must have an approved roll cage with side bar and drivers window net (SF1 SPGC 27.1 net) required, permanently secured at bottom.
- All cars require a master electrical cu toff with the off position clearly marked.
- Parachute required with top speed in excess of 150 MPH.
- All automatic transmissions require; shield (SFI 4-1, Flexplate shield (SFI 30-1), Flexplate (SFI 291)
- Neck collar mandatory.
- Gloves mandatory – Must meet SFI Spec 3.3/1.  Crotch strap mandatory.
- Vehicles quicker than 7.50 seconds, see NHRA Rulebook "Advanced ET.
- 45.1 roll bar padding required

## MOTORCYCLES 10.00 AND SLOWER

- Operational tail light required/brake light recommended.
- Operational front and rear brakes required on all machines.
- Positive ignition cut off switch required. Operable tethered kill switch required on all drag bikes running 10.99 or quicker.
- Rear fender must be full width, extending behind rear axle and forward below the seat position.
- Cannot be pushed or pulled to start.
- Minimum 2" ground clearance (altered headers must have 2" clearance with bike at 12° angle).
- No bicycle parts allowed.
- No hand shifted motorcycles.
- Positive fuel shutoff on all motorcycles.
- Throttles must be of positive spring return type.
- Fork tubes may not extend more than 1-1/2" from steering head.
- Chain guard required to extend to center of rear sprocket.
- Leather jacket, closed back leather gloves and leather boots or shoes (above ankles) mandatory all bikes. Full riding suits required on all bikes exceeding 119 MPH.
- All riders must have Snell 2005 or newer rated full-face helmets.
- Handlebars must measure minimum 22 inches across with grips removed.

*I acknowledge this inspection is solely for the purpose of meeting minimum standards of preparation for track driving its inspectors or any inspector selected by me of worthiness or fitness for track driving. I acknowledge that, at all times, I remain solely responsible for the safety and worthiness of my vehicle and I am not relying upon this inspection in deciding whether or not to drive my vehicle.*

**Owner's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_