

Triangle Z Club & Tarheel Sports Car Club High Performance Driving School and Time Trial Series

Annual Vehicle Inspection

The Tarheel Sports Car Club, Triangle Z Club, and Asphalt Ventures, LLC, utilize this annual inspection form to help insure all cars participating in our events are mechanically sound. Each car must be inspected by a qualified shop at least once a year. It should be re-inspected after any major repair or modification. A copy of this completed and signed form should remain with the car and the original submitted at check-in of the first event attended for the current season. Vehicles having a current competition logbook that exceed the minimums on this do not need this form, provided the logbook is presented at registration. After reviewing this form, our event tech staff will issue a current tech sticker, which will be valid for all THSCC/TZC/AV driving schools, lapping days and Time Trials (if applicable) for the current season. This sticker must remain affixed to the lower driver's side windshield.

The Triangle Z Club, Tarheel Sports Car Club and Asphalt Ventures, LLC reserve the right to refuse entry for any item we believe does not meet our standards.

To participate in our driving schools and/or time trial, at least one of the following is required:

- 1) A current THSCC annual inspection sticker and signed Event Safety Checklist.
- 2) A current national sanctioning body Competition Vehicle Log Book (i.e. SCCA, BMWCCA, SVRA, EMRA, PDC, NASA, etc.)

Driver Name: _____

Inspection Location: _____

Auto Make: _____ Model _____ Year _____

Vehicle Interior

- Throttle Linkage: Not Sticking Glass: No structural cracks Rear View Mirror
 Brake Peddle: Firm Windshield Wipers Steering: No excessive play

Underbody/Suspension

There should be no excessive leakage of any vehicle fluid. All suspension, steering, and brake systems should be checked for excessive play and/or worn bushings, fittings, attachments.

- Brake Pads (1/4" minimum) Steering Linkage/Rack Shock Absorbers/Struts
 Tie Rod Ends Ball Joints Tires Wheel Rims Brake Calipers
 Brake Lines Fuel Lines Suspension Mounts Wheel Bearings
 CV Joints & Boots Motor Mounts Exhaust components and mounts

Vehicle Exterior

Vehicle exterior should be in good mechanical condition. Body panels (including fender linings) should be firmly secured. Gas cap should be tight.

- Brake Lights: Working Fluid Leaks Exterior Mirror/s
 Panels & Trim Gas Cap Tire Pressures

Engine Bay & Trunk

No excessive fluid leakage of any sort. Any coolant leakage should be addressed before tech approval. All belts, hoses, fittings (electrical and fluid) should be in good to excellent condition and secure.

- Battery & Harnesses: Secure Brake Fluid flush <90days Throttle Linkage
 Fuel Lines Belts & Hoses Exhaust Headers
 NOS (if equipped) Bottle empty/removed

Personal Safety: Driving School

Seat Belts/Harnesses: All belts, seats, and passive restraint systems must be in good to excellent condition. Equal restraint systems required for driver and passenger of one of the following types:

1. Factory original lap and shoulder belt system with functional retracting and latching systems.
2. Aftermarket DOT (FMVSS 209) Labeled 3 or 4 point systems with documentation of the make/model certification with installation instructions or guide.
3. SFI 16.1 or FIA, 5 or 6-point competition harnesses installed in compliance with the current year SCCA GCR (Section 20). Harnesses must not be more than 5 years old as stated on the SFI or FIA certification label. Equal protection must be provided for both driver and passenger. This applies to both existing and added safety equipment, such as seats, harnesses, rollbar/cage padding, etc.

Helmet: SNELL SA2000 minimum rating is required for all drivers/passengers.

Cars with roll bars: Minimum 4 point SCCA Time Trial/Hill Climb spec. (SCCA Time Trial Rules Appendix J). **Convertibles must have a roll bar unless included in exempted list***

Roll bar construction must be verified:

- Tubing Diameter _____ Wall Thickness _____ Vehicle Weight _____
- Broomstick Test: With driver seated, helmet on, must clear under a straight edge placed from the top of the windshield to the top of the roll bar. This is mandatory for convertibles, tech inspector's discretion for hard-top cars.

SFI 45.1 rated High Density roll bar padding is required at any possible contact point of the driver's or passenger's head. (Assume a 6 inch deflection of seat/restraints.)

Arm restraints are required for driver and passenger if vehicle will be driven with the top down/removed.

Conditional driver's school items to be verified at the event:

*** Convertible vehicle roll-bar exempt vehicle**

*These vehicles are exempt from the roll bar requirement because the factory roll over protection has been deemed structurally sound and appropriate for high-speed events (though not for competition events.) **Drivers and passengers must still pass the broomstick test.***

1. 2005-2008 Porsche Boxster ('987' model)
2. 1997-2004 Porsche Boxster ('986' model) with installed Brey-Krause hoop extension only

Personal Safety: Time Trial (Only)

- SFI 16.1 or current FIA 5 or 6 point competition harnesses required.
 - Harnesses, hardware and mounts must be in good condition, no evidence of fraying, tearing, or environmental damage.
 - Harnesses must be installed in compliance with the current year SCCA GCR (Section 20).
 - Harnesses must not be more than 5 years old as stated on the SFI or FIA certification label.

- 4 point roll bar constructed and installed per SCCA TimeTrial/Hill Climb specs as stated in the current year SCCA Time Trial Rules Appendix J. This applies to ALL vehicles competing in the time trial
 - Tubing Diameter _____ Wall Thickness _____ Vehicle Weight _____
 - Broomstick Test: With driver seated, helmet on, must clear under a straight edge placed from the top of the windshield to the top of the roll bar. This is mandatory for convertibles, tech inspector’s discretion for hard-top cars.

- Roll Cage (6 or more attachment points including two forward of the driver/passenger):
 - Must to conform to SCCA GCR section 18.1, 18.2, 18.3 as applicable to class or category or another nationally recognized sanctioning body applicable to the class and category of the vehicle.

- SFI 45.1 rated High Density roll bar padding is required at any possible contact point of the driver’s head. (Assume a 6 inch deflection of seat/restraints.)
- Arm restraints are required for driver and passenger if vehicle will be driven with the top down/removed.
- Fire extinguisher is required. It must have a metal-to-metal mount, within drivers reach. Must conform to SCCA GCR 17.22.2
- Car numbers and class designations at least 8” high, all conflicting designations removed.
- Series Sponsor decals where applicable
- Transponder present

Conditional Time Trial items to be verified at the event:

I certify that the above inspection has been conducted according to the guidelines set forth in the current SCCA General Competition Rules (time trial) or THSCC Technical Specifications Guide and that all deficiencies have been corrected (conditional items to be corrected before the event.) I understand that I, and I alone, are liable for the condition and suitability of the vehicle listed for participation in this event. I release the inspector, grid inspector, Triangle Z Club, Tarheel Sports Car Club, Asphalt Ventures, LLC, their members, officers, or employees for any liability arising from a failure of this vehicle for any reason, including failure of items listed on this inspection form.

Name _____ Date _____

Inspected By: _____ Date _____
Facility/Shop: _____ Title _____

[Place shop stamp below if applicable]