

# Triangle Z Club & Tarheel Sports Car Club Performance Chassis High Performance Driving School and Time

## Trial Series Annual Vehicle Inspection

The Tarheel Sports Car Club, Triangle Z Club, MAARC, 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. This completed and signed form should be submitted at event check-in. Vehicles having a current season competition logbook do not need this form, provided the logbook presented at registration. After reviewing this form, our event tech staff will issue a tech sticker. This sticker must remain affixed to the lower driver's side windshield. The Triangle Z Club, Tarheel Sports Car Club, Mid Atlantic Alfa Romeo Club, and Asphalt Ventures, LLC reserve the right to refuse entry for any item we believe does not meet our standards.

I certify that the vehicle inspection has been conducted according to the guidelines set forth in the current SCCA General Competition Rules (time trial) and/or THSCC Technical Specifications Guide and all deficiencies have been corrected (conditional items to be corrected before the event.) I understand that I, and I alone, am 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, Mid Atlantic Alfa Romeo 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.

Driver's Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Inspected By: \_\_\_\_\_ Date \_\_\_\_\_  
 Facility/Shop: \_\_\_\_\_ Title \_\_\_\_\_

Driver Name:		Inspection Location:	
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 excellent condition and secure. Recommend cooling system pressure checked.

- Battery & Harnesses: Secure  Brake Fluid flush <90days  Throttle Linkage
- Fuel Lines  Belts & Hoses  Exhaust Headers  Cooling System & Hoses
- 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 system.
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 9.3.19). 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 SA2005 minimum rating is required for all drivers/passengers.

Cars with roll bars: Minimum 4 point SCCA TTR spec. (SCCA Time Trial Rules Level 3 or higher)

**All Convertibles must have a roll bar unless included on exempted list\***

Roll bar construction must be verified:

Diameter:	Thickness:	Vehicle Weight:
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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.

High Density roll bar padding SFI 45.1 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. 2005-2010 Porsche Boxster ('987' model)
2. 1997-2004 Porsche Boxster ('986' model) with installed Brey-Krause hoop extension only

[ Place shop stamp below if applicable ]

**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 9.3.19).
  - 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 Time Trial Rules specs as stated in the current year SCCA TTR Level 3 or 4. This applies to ALL vehicles competing in the time trial.

Roll bar construction must be verified:

Diameter:	Thickness:	Vehicle Weight:
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- 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 either SCCA GCR section 9.4 as applicable to class or category or another nationally recognized sanctioning body applicable to the class and category of the vehicle.
- Helmet: SNELL SA2005 minimum rating is required for all drivers/passengers.
- Head & Neck Restraint Device or System.
- High Density SFI 45.1 rated 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 for all convertible vehicles.
- Fire extinguisher is required. It must have a metal-to-metal mount, within drivers reach. Must conform to SCCA GCR 9.3.23.B
- Car numbers and class designations at least 8” high.
- THSCC-TZC Series & Title Sponsor Performance Chassis decals sides & front.
- AMB TransX 260 Transponder installed.

**Conditional Time Trial items to be verified at the event:**


[ Place shop stamp below if applicable ]