

**2022 TECHNICAL INSPECTION****EVENT:** \_\_\_\_\_

Cars must be inspected **no more than four weeks prior to the event**. Please take this form, along with your vehicle that you have registered, to your local BMW dealer or independent service center. You **must** bring this **completed** form to grid tech prior to registration. We cannot perform a full tech inspection at the track. Driver(s) be sure to fill in top section and sign / date at the top of page 2.

**Driver #1** \_\_\_\_\_ **Driver #2** \_\_\_\_\_  
Auto Make: \_\_\_\_\_ Model: \_\_\_\_\_ Color: \_\_\_\_\_ Year: \_\_\_\_\_ Number (if known): \_\_\_\_\_

**PRE-TECH INSPECTION "DONE PRIOR TO EVENT"****VEHICLE EXTERIOR**

- ☐ No fluid leakage
- ☐ No excessive rust esp. at suspension points
- ☐ Side mirrors intact, no cracks
- ☐ Gas cap secure
- ☐ Wheels: No bends or cracks
- ☐ Tires: good condition (3/32" min. tread), no cracks, cuts, cords or blisters. **No R-comp tires for Novice Students**
- ☐ Tire Date Code: (e.g., 5215)

Front \_\_\_\_\_ / \_\_\_\_\_  
Rear \_\_\_\_\_ / \_\_\_\_\_

**BRAKE SYSTEM/SUSPENSION**

- ☐ Brake pads (half original thickness remaining)
- ☐ No visible cracks to edge of rotor
- ☐ Brake calipers: dry, clean
- ☐ Brake fluid: clean & full; fresh within 9 months; bled since last track date.
- ☐ Date of last brake fluid change: \_\_\_\_\_

- ☐ Brake fluid<sup>1</sup>: type & brand: \_\_\_\_\_
- ☐ Brake lines: dry, good condition
- ☐ Brake pedal: firm
- ☐ Brake lights
- ☐ Steering linkage: no excessive play
- ☐ Suspension location points & bushings
- ☐ Shock absorbers: firm, no leaks
- ☐ Wheel bearings: no excessive play
- ☐ Ball joints: no excessive play
- ☐ CV joints: no seepage or looseness
- ☐ Tie rod ends: tight

**VEHICLE INTERIOR**

- ☐ Throttle linkage: no sticking
- ☐ Glass: condition does not impair vision
- ☐ Doors: must be operational from inside and outside
- ☐ Rear view mirror secure, no cracks
- ☐ Steering: no excessive play at wheel

**BMW E46 Only**

- ☐ Sub-frame inspected for cracks or reinforced/repaired

**SAFETY: OEM/DOT Equipped**

- ☐ OEM Seat Belts; webbing, latches in good condition, tensioner functional **OR:**
- ☐ 4 Point DOT approved Rallye Harness with ASM
- ☐ OEM Seats properly installed/secure
- ☐ Convertibles:<sup>2</sup> Only factory hardtop convertibles with fixed roll hoops allowed (BMW Z4/Supra/ND Miata/C7 or C8 Corvette)

**SAFETY: Aftermarket Equipped<sup>3</sup>**

- ☐ All 5/6 pt harnesses require appropriate racing seats<sup>4</sup>
- ☐ Seats properly installed and appropriate for harnesses
- ☐ Equal restraints for both front seats
- ☐ Seat dates: \_\_\_\_\_ / \_\_\_\_\_
- ☐ Seats are less than 5 years old **OR:**
- ☐ Seat are more than 5 years old: Inspect for serviceability, brace if needed
- ☐ 5/6 pt Harnesses: no more than 5 yrs old
- ☐ Harness dates \_\_\_\_\_ / \_\_\_\_\_
- Note: Head and Neck restraint required with harnesses both driver and passenger
- HANS date must be no more than 5 yrs old
- ☐ Harnesses mounted per BMW Club Race Rules, clip-in harnesses pinned
- ☐ Roll-bar or cage securely mounted
- ☐ Other convertibles: (Spec Miata or Boxster) Hardtop and BMW Club Race/PCA Club Race/SCCA approved full cage and logbook
- ☐ Roll Bar Padding above the door sill: required on all roll bar or roll cage installations for any possible head contact for driver and passenger

**BMW E36 Only**

- ☐ Radiator must be less than 10 years in age & less than 100,000 miles unless all aluminum
- ☐ Radiator fan checked for cracks/damage
- ☐ Radiation fan clutch checked for wobble
- ☐ Power steering hoses dry and less than 5 years old

**ENGINE & TRUNK**

- ☐ Fan belt & hoses
- ☐ Throttle linkage
- ☐ Oil & gas lines secure, no leaks. No external clamps used on pressurized oil lines
- ☐ Hood, deck lids, & wings (if any) secure
- ☐ Battery securely fastened, positive terminal covered, no apparent corrosion
- ☐ Electrical Harness securely fastened
- ☐ Relays secure
- ☐ Air Filter/Intake secure
- ☐ Cooling system, secure, no leaks, no rubbing, hoses in good condition
- ☐ Motor mounts firm, no visible cracks
- ☐ Exhaust system intact, no leaks, less than 103db at full throttle
- ☐ No fuel or oil lines exposed in the interior

**OPTIONAL**

- ☐ Fire Extinguisher: If installed must be securely mounted metal to metal

**INSPECTED BY:**

Signature: \_\_\_\_\_

Printed Name/Title: \_\_\_\_\_

Shop (or Self if Instructor): \_\_\_\_\_

City, State: \_\_\_\_\_

Date: \_\_\_\_\_

**INSTRUCTORS ONLY:**

- ☐ Self-Tech Verified by Instructor Peer: Printed Name: \_\_\_\_\_

Signature: \_\_\_\_\_

<sup>1</sup> For 2015 and newer BMWs, BMW OEM brake fluid or PFC 665 recommended

<sup>2</sup> Broomstick rule, 2" clearance between helmet and protection plane

<sup>3</sup> Vehicles equipped with aftermarket seats and harnesses, must comply with BMW Club Racing rules for installation of those items. See: <https://bmwccaclubracing.com/rules-policies-forms/>

<sup>4</sup> Seats not MANUFACTURED with routing holes for both shoulder AND anti-submarine belts may NOT be combined with harness restraints and must be used ONLY with original 3-point seat belts or DOT approved ASM 4-point harnesses.



I certify that the above inspections have been conducted according to the guidelines set forth. I understand that I alone am liable for the condition and suitability of the vehicle listed for participation in this event. I release the inspector, grid inspector, National Capital Chapter BMW CCA and its officials for any liability arising from a failure of this vehicle for any reason, including but not limited to failure of any item listed on this inspection form.

Driver #1 \_\_\_\_\_

Driver #2 \_\_\_\_\_

Date :

Date :

## GRID TECH "DONE AT THE EVENT"

**IMPORTANT: Please have your car unloaded and ready for the track before you enter the tech line. If your car has lug nuts other than 17mm, 19mm or 13/16", have the appropriate 1/2" drive socket with you.**

### Car:

- ☐ Lug nuts: torque to manufacturers specifications, wheel locks removed, no lugs missing. Wheel Centerlocks fully engaged (if applicable)
- ☐ Gas cap: tight
- ☐ Hood/trunk lid: securely fastened
- ☐ Wings/splitters (if any): securely fastened
- ☐ Wheel bearings: tight
- ☐ Exhaust within noise limits: Rev engine to check for open exhaust
- ☐ Tires: No R-comps for Novice students, check DOT dates on page 1
- ☐ Brake lights: all working
- ☐ Brake fluid: clean, full, cap tight
- ☐ Battery secure and positive covered
- ☐ Front & rear glass: clean, no significant cracks, unobstructed. Condition does not impair vision
- ☐ Seat belts: driver & passenger OEM **OR** acceptable aftermarket harnesses **AND** appropriate seats installed. Equal Restraints for both front seats. Check dates for racing seats<sup>5</sup>
- ☐ All loose items removed from interior and trunk, glove box empty or locked -- No firearms (ask)
- ☐ Rollbar padded above the door sill. If caged check for padding at any possible head contact points for driver and passenger
- ☐ Special accessories (cameras, fire extinguisher, etc...): securely mounted and tethered. No external suction cup camera mounts
- ☐ Car numbers (if pre-installed): on both sides of car in contrasting colors, **at least 6" high**
- ☐ Convertibles: Factory hardtop (BMW/Mazda/Toyota/Corvette) required, or Spec Miata/Boxster with hardtop and full cage. Broomstick rule, 2" clearance between helmet and protection plane

### Driver:

- ☐ Snell rated helmet: Check one ☐ SA2020, ☐ SA2015, ☐ M2020, or ☐ M2015
- ☐ HANS less than 5 years old Date: \_\_\_\_\_
- ☐ Check dates of harnesses and HANS (5 years or newer)
- ☐ Verify driver checked starting pressure or direct them to the location of the air-pump
- ☐ Advanced Driver Assistance System deactivation: Driver knows how to disable ADAS systems if present on the vehicle<sup>6</sup>

Grid Inspection By: \_\_\_\_\_

<sup>5</sup> Note that Driver's seat may contain halo or containment elements without the need to add similar features to passenger seat.

<sup>6</sup> Cars with Automatic Braking and Lane Drift Correction Systems: Cars with either of these systems will only be allowed to participate in DE events if the systems can be turned fully off while the car is on-track. Proof of the ability to fully shut off these systems must be provided (i.e., information in Owner's Manual, etc.).