

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 fluid¹: 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:² Only factory hardtop convertibles with fixed roll hoops allowed (BMW Z4/Supra/ND Miata/C7 or C8 Corvette)

SAFETY: Aftermarket Equipped³

- All 5/6 pt harnesses require appropriate racing seats⁴
- 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: _____

¹ For 2015 and newer BMWs, BMW OEM brake fluid or PFC 665 recommended

² Broomstick rule, 2" clearance between helmet and protection plane

³ 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/>

⁴ 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 seats⁵
- 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 vehicle⁶

Grid Inspection By: _____

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

⁶ 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.).



Please complete this form, bring it to the school, and turn it in at registration. This information will be kept confidential and will be used only in a medical emergency. This form will be destroyed after the event.

NAME: _____ DATE: _____
(LAST, FIRST — Please **print** clearly)

CONTACT INFORMATION

A. Emergency Contacts — please list the names, telephone numbers, and the relationships to you of those whom we should contact in case of an emergency.

B. Physician Contact — please list the name and emergency telephone number for your physician.

MEDICAL INFORMATION

C. Specific Medical Problems — please check those medical conditions that you have.

- | | | |
|--|--|--|
| <input type="checkbox"/> Diabetes | <input type="checkbox"/> Epilepsy (seizures) | <input type="checkbox"/> Lung problems |
| <input type="checkbox"/> Heart problems | <input type="checkbox"/> Kidney problems | <input type="checkbox"/> Hemophilia |
| <input type="checkbox"/> High blood pressure | <input type="checkbox"/> Adrenal problems | <input type="checkbox"/> Other (list below): |

D. Medications — please list all prescription and non-prescription medications that you take.

E. Allergies — please list allergies you have to specific medications, as well as any serious general allergies you have (e.g., to bee stings, egg products, iodine, etc.).

F. Electrocardiogram — physicians recommend that persons with a known abnormal EKG carry a copy to be used as a baseline in an emergency; you may attach a copy to this form, if desired.

- | | |
|--|--|
| <input type="checkbox"/> No, I do not have a copy of my EKG. | <input type="checkbox"/> My EKG is carried on my person. |
| <input type="checkbox"/> My EKG is attached to this form. | |