

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 all work
- 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

SAFETY: OEM/DOT Equipped

- OEM Seats securely fastened
- OEM Seat Belts; webbing, latches in good condition, tensioner functional **OR:**
- 4 Point ASM < 5 years old
- Convertibles:² Only factory hardtop convertibles with fixed roll hoops allowed (BMW Z4/Supra/ND Miata/Porsche Boxster/C7-8 Corvette)

SAFETY: Aftermarket Equipped³

- Seats securely installed and appropriate for harnesses⁴
- Note: All 5/6 pt harnesses require appropriate racing seats⁵
- Equal restraints for both front seats
- Seat dates: _____ / _____
- Enter approximate date if no sticker
- Check seats for excessive lateral movement, e.g. >1 inch
- FIA Harnesses < 5 yrs old **OR**
- SFI Harnesses < 2 yrs old
- Note: Head and Neck restraint system (HANS) required with harnesses for both driver and passenger
- HANS tether date < 5 yrs old
- Harnesses mounted per BMW Club Race Rules
- 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 E46 Only

- Sub-frame inspected for cracks or reinforced/repaired

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 < 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, see BMW Club Racing rules for guidelines for proper installation of those items. See: <https://bmwccaclubracing.com/rules-policies-forms/>
⁴ Install appropriate bracing if required to stabilize the seatback
⁵ 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.
 NCC BMW CCA Tech Inspection Form v 2022.3

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 Center-locks 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 lateral movement for competition seats⁶
- 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/Porsche/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 Tether less than 5 years old. Date: _____ (Check the date on the tether. FIA HANS do not have an expiration date on the Yoke)
- Check dates of harnesses: FIA 5 years, SFI 2 years
- 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 vehicle⁷

Grid Inspection By: _____

⁶ Note that Driver's seat may contain halo or containment elements without the need to add similar features to passenger seat.

⁷ 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.).