

PCA Chicago Region 2020 DE Tech Sheet

NAME: _____ RUN GROUP: _____
MODEL/YEAR: _____ CAR COLOR: _____ CAR #: _____
EMERGENCY CONTACT _____ PHONE# _____ AT TRACK: _____

Pass **TO BE INSPECTED WITHIN 30 DAYS PRIOR TO EACH EVENT**

- _____ **HELMET: SNELL SA 2010 or later required **Snell SA sticker must be attached inside**** No cracks in helmet.
Chin strap in good condition. Full face helmet with shield required for all open cars.
- _____ **APPAREL:** Full-length pants, long sleeved cotton shirts, cotton socks and full coverage shoes.
- _____ **LOOSE OBJECTS:** Remove all loose items from trunk and interior, including glove compartment, door pockets, console, mats, etc.
Spare secured properly (spare adds to the structure of certain Porsches). No obstructions in front of Air Bag(s).
- _____ **CAR NUMBERS:** You may use any marking that will not blow off the car and is readable by the corner workers.
Vinyl numbers, magnetic numbers, racers tape numbers all work. *Shoe polish is not acceptable.*
Numbers should be at least 8" tall and need to be on each side and the hood before being tech'd.
- _____ **SEAT BELTS** **Novice, Green, & Yellow** may run with stock seats and belts. (*Minimum 3-point*)
- _____ **HARNESSES:** **White Group** 5 or 6-point harness with proper race seat recommended, must have **CDI* approval.**
Black Group requires a 5 or 6-point harness with proper race seat, rollover protection, and **CDI* approval**
/ / **Date Harness Expires. Harness Certification please circle one: SFI / FIA Drivers initials**
When using a harness system, an approved (SFI or FIA) Head and Neck Restraint System (HANS) is required!
SFI/FIA approved arm restraints required for All Open Cars.
- _____ **ROLL PROTECTION:** Roll Bar, Cage or Roll Bar Extender required for Black Class. Roll bar / Cage must meet PCA Club Race specifications. Bar must be covered with closed cell padding any place where a helmet or person could come in contact with the bar. **All Cabs in all classes without factory installed roll over protection must have roll bar or roll cage.**
- _____ **WINDSHIELD:** No major cracks, condition must not impair vision.
- _____ **MIRRORS:** At least one side (two highly recommended) and one securely mounted inside rear view mirror.
- _____ **GAS CAP:** Cap tightened with no leaks
- _____ **FRONT SUSPENSION:** no excessive play; ball joints and tie rods secure; boots and all seals in good condition.
- _____ **REAR SUSPENSION:** no excessive play; ball joint; boots and all seals in good condition
- _____ **Driveline:** half shaft boots in good condition; mounting hardware in good condition; no leakage.
- _____ **RUST:** No rust or damage to suspension or chassis parts that affect the integrity of the chassis or brakes.
- _____ **BRAKES:** Sufficient brake pads (50% minimum); rotors and pads are in good condition; no cuts or abrasions in brake lines. There should be no visible cracks extending to the edge of the rotor. With co-driver, pads should exceed minimum. Brake pad thickness must be checked periodically for minimum thickness throughout the high-speed events. Make sure you start with ample brake pad material and/or bring an extra set of pads.
- _____ **BRAKE FLUID:** Proper level shown in reservoir. All cars must have their brake systems flushed with high temp specification or better brake fluid 90 days or less preceding the high-speed event. If another high-speed event is run less than 90 days prior to this event, then the fluid must be flushed again before running.
/ / **Date brake fluid was last flushed Drivers initials**
- _____ **PEDALS:** Free return and in good operating condition. Firm brake pedal.
- _____ **BRAKE LIGHTS:** All bulbs on both sides and center brake light (if so equipped) must be functional.
- _____ **WHEEL BEARINGS:** proper free rotation; no looseness in hub.
- _____ **WHEELS:** No cracks, no bends. All lug nuts must have 94 - 96 lbs. torque (or manufacturer's recommended torque).
Hubcaps and Center Caps must be removed. Steel lug nuts required if using track tires.
If equipped with center locks locking devices must be fully engaged.
- _____ **TIRES:** In general good condition; no cracks, cuts, cords or blisters; the tires that will be used on the track **must be mounted on car before being tech'd.** ZR or better required.
- _____ **BATTERY (IES):** Securely fastened and in good condition. No acid leaks or corrosion. It is recommended that the Positive (+) Terminal on all batteries be covered by a cap or tape.
- _____ **ENGINE:** Check for odd sounds and general condition of engine and accessories.
- _____ **THROTTLE RETURN:** Freely operating and good springs if equipped. Check both throttle return springs on CIS cars.
- _____ **EXHAUST:** Firmly fastened and in good condition. (103dB limit at all our DE tracks).
- _____ **DRIVE BELTS:** Tight and in good condition.
- _____ **LEAKS:** No dripping leaks of any fluid of any type; oil, gas, brake, or coolant. Proper fittings and line condition; no external clamps may used on pressurized oil lines.

In consideration of my participation in this event, I have checked the above items and certify that they meet or exceed the requirements. I agree to indemnify and hold harmless the organizers of the event, or their agents, with respect to responsibility for the condition and preparation of my car, or any subsequent mechanical failures or resulting damage to my car, its occupants and the venue facilities as a result of any such failures. I acknowledge that at all times; I remain solely responsible for the safety and roadworthiness of my car. I hereby certify that I have no physical or mental problems, which could jeopardize any others or me if I participate in this event.

ALL OF THE ITEMS ON THIS TECH SHEET HAVE BEEN TESTED AND SERVICED AS DESCRIBED. THE CAR OWNER CERTIFIES THAT THE CAR IS SAFE TO RUN ON THE TRACK AND THAT THE CAR HAS BEEN INSPECTED BY A REGIONALLY APPROVED PERSON OR SHOP WITHIN THIRTY DAYS PRIOR TO THIS AND EACH EVENT.

DRIVER'S SIGNATURE: _____ DATE: _____

INSPECTOR: _____ SERVICE STAMP _____ DATE: _____

I. Items re-checked at Grid:

- ___ HELMET
- ___ APPAREL
- ___ LOOSE OBJECTS
- ___ CAR NUMBERS
- ___ LUG NUTS TORQUED
- ___ SEAT BELTS/HARNESSES
- ___ GAS CAP
- ___ BRAKE LIGHTS

II. Highly recommended additional safety items:

- ___ Drivers' suits, driving gloves and shoes all made of Nomex or similar fire-retardant materials.
- ___ Rollover protection highly recommended. Note: Using a harness will hold driver upright in seat, therefore roll over protection is used to protect from compressing the spine in a rollover situation.
- ___ An approved (SFI or FIA) Head and Neck Restraint is required when using a harness. See harness rule below.
- ___ FIRE EXTINGUISHER: Securely anchored metal-to-metal in reach of driver. BC or ABC rated and fully charged.
- ___ AFFF or Halon recommended.
- ___ It is recommended you start with fresh Competition pads properly bedded in.
- ___ Install proper tow hooks, front and rear.

III. Harness Rule:

PCA Chicago Region has adopted the following rules pertaining to harness belts, race seats and rollover protection for participants in all Chicago Region Drivers' Education events (DE) effective January 1, 2019.

[Harness expiration dates: 2 years \(SFI\) and 5 years \(FIA\) for DE \(As Marked on Belts\)](#)

Yellow, Green and Novice groups may run with stock seats and belts. (Minimum 3 point)

White group recommends a 5 or 6-point harness including an approved HANS device with proper race seat* and rollover protection.

Black group requires a 5 or 6-point harness including an approved HANS device with proper race seat* and must be equipped at a minimum with a roll bar**.

White and Black Run Groups also require Chief Driving Instructor approval.*

* The race seat is required to have proper routing holes for the harness as supplied by the seat manufacturer for the shoulder and anti-submarine straps. Single piece race seats recommended. Race seats that have reclining articulation are approved for DE only.

**A bolt in or welded in roll bar is recommended. Roll bars must meet PCA Club Racing Specifications and must be covered with closed cell foam padding in any place where a helmet could come in contact with the bar.

The above safety rule change was developed in response to PCA National's harness recommendations approved in 2018 as follows:

Harness Systems: If the participant chooses to install a 5 or 6 point driving harness (Four-point systems are not allowed EXCEPT as noted in the pca.org/drivers-education-minimum-standards) several changes to the automobile must be made to create a safe occupant restraint system. Harnesses must include an antisubmarine strap and be mounted in an approved manner consistent with the manufacturer's instructions. The Harness system must be used in conjunction with a seat which has the supplied routing holes for the shoulder and anti-submarine belts. All pieces of the restraint system must be installed in accordance with the manufacturer's instructions.

This means that a seat is required to have the proper routing holes for the harness as supplied by the seat manufacturer for the shoulder and anti-submarine straps. The shoulder straps should be mounted at 90 degrees to the axis of your spine or at most 40 degrees down from horizontal. Because the addition of the harness system means that the occupants are fastened upright in the vehicle, a properly padded roll bar or roll cage is strongly encouraged to complete the SYSTEM. The use of one without the other may result in an unsafe environment and is not a COMPLETE SYSTEM. *In order to have a COMPLETE SYSTEM, a properly padded roll bar or roll cage is recommended and an approved (SFI or FIA) Head and Neck Restraint System (HANS) device is required.*

The changes we have adopted allow the driver to make the choice whether to install a harness or not. If participating in DE as a novice, green or yellow group driver at any of our Chicago events, stock lap belts are acceptable.

If your proficiency allows, and you wish to progress to the faster White or Black group, Chief Driving Instructor approval is required.

Harness/Race Seat and Rollover protection is highly recommended for White group and required for the Black group.

National's DE safety standards also require equal restraints for student and instructor.

Equal Restraints: Both student and instructor shall have the same restraint system. All vehicles must be equipped with a properly installed lap and shoulder restraint system.

If you wish to have an instructor ride with you, or instruct a student in your car, both shall have the same restraint system. If you have installed a harness and race seat in the driver's position but the stock seat and lap belt remain in the passenger side, the driver would have to use the stock lap belt (instead of the harness) and run in the Green or Yellow group when instructing or being instructed.

PCA National's DE standards is found at <http://www.pca.org/drivers-education-minimum-standards>

At this time, it is not known how "Automatic Emergency Braking Systems" will react at speed in the HPDE environment. For the safety of all participants PCA has decided not to allow affected vehicles to run with our group at HPDE events unless the system can be and is turned off. We have no doubt that this equipment is very helpful in street driving; however, we cannot risk endangering drivers, instructors and their vehicles at our on-track driving schools.