

# Rennsport Region PCA

## 2020 Driver Education Technical Inspection Form



Driver's Name		
Car Number	Car Year and Model	License Plate Number
Event & Dates		
Inspection Date (must be within 30 days of event start)		

Inspection Performed at: (Official Stamp Only)
Inspector Signature
Inspector Name (Please Print)

**Inspector** Please initial here \_\_\_\_ to acknowledge that you have read Note 1 regarding the importance of a thorough inspection. Sign and stamp this form only if ALL applicable items have PASSED. Inspection must be performed at an authorized tech center.

**Driver** Please see Note 2 about Instructor Safety.

Initial

- \_\_\_ BRAKE LIGHTS - both (left and right) must work
- \_\_\_ HOOD & DECK LIDS - capable of secure closing
- \_\_\_ GLASS - no cracks in any window
- \_\_\_ WINDSHIELD WIPERS - working, blades in good condition
- \_\_\_ MIRRORS - must have at least one exterior and one interior rear-view mirror, securely mounted
- \_\_\_ SUNROOF, TARGA, and CONVERTIBLE TOPS - must be capable of being securely closed
- \_\_\_ PEDALS - free return, brake pedal firm
- \_\_\_ SEATBELTS - equal restraints must be available for both occupants. Must be equipped with a properly installed lap and shoulder restraint system in good condition. (see Note 2 & 12, for 1965-68 911/912 also see Note 3)
- \_\_\_ ROLL OVER PROTECTION - If an open vehicle does not have factory installed roll over protection (the windshield alone is not considered to be factory roll over protection), a roll bar must be installed which meets the "broomstick" test (see Note 4).
- \_\_\_ FIRE EXTINGUISHER **RECOMMENDED** - securely mounted metal-to-metal within reach of driver. Minimum 2.5 pound BC or ABC, fully charged.
- \_\_\_ BRAKE FLUID - topped up, clear, changed in the last 6 months. (Date changed: \_\_\_\_\_)
- \_\_\_ BRAKE LINES - good condition
- \_\_\_ BATTERY(s) - securely fastened with no leakage. (914s see Note 5).

Initial

- \_\_\_ BELTS - adequate tension and condition
- \_\_\_ THROTTLE RETURN and FUEL LINES - free linkage and good springs ( 944s see Note 6). All fuel and injector lines in good condition.
- \_\_\_ OIL & GAS FILLER CAPS - securely fastened and good seal. (996 oil caps see Note 7)
- \_\_\_ COOLING SYSTEM - coolant level topped up, hoses in good condition
- \_\_\_ OIL LINES - in good condition (911s see Note 8)
- \_\_\_ TIRES - must be in good condition (for wet track conditions see Note 9)
- \_\_\_ WHEELS - check for cracks, warps, and roundness. All lug nuts engaged properly on studs.
- \_\_\_ WHEEL BEARINGS - correctly adjusted, front and rear
- \_\_\_ BRAKE PADS & ROTORS - minimum 50% life remaining on all pads (see Note 10), rotors in good condition.
- \_\_\_ UNDERNEATH GENERAL - no fluid leaks, all seals & boots in good shape. Check brake and fuel lines. Check for excessive rust or damage to suspension/chassis parts.
- \_\_\_ EXHAUST SYSTEM - securely fastened, no leaks.
- \_\_\_ SUSPENSION - no looseness in steering or suspension. Lower trailing arm to radius arm tight; axle, half-shaft, and shock bolts tight; ball joints, shock absorbers, sway bars, and all attachment points in good condition, tie rods secure. Steering rack mounted tightly. (924/944/968 control arms see Note 11)

### INSPECTOR(S) NOT LIABLE FOR SAFETY OF THIS VEHICLE DRIVER'S ACKNOWLEDGMENT OF RESPONSIBILITY

I acknowledge the technical inspection performed upon my automobile makes no representation of roadworthiness or fitness for general street driving or any other activity. I release the inspector(s) from any and all liability arising from their inspection whether or not due to their ignorance. I, solely, am responsible for the safety and roadworthiness of the automobile and am not relying upon this pre-event inspection or any event inspections in deciding whether or not to drive this automobile.

Driver's Signature: \_\_\_\_\_

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

## TECHNICAL INSPECTION FORM NOTES

**Note 1: General Guidance to Inspector** - This form is only a guideline and the inspector is encouraged to examine any and all items that in the inspector's sole opinion affect the safety and reliability of the automobile which will be driven on a race track. If the car being inspected is unsafe or unreliable do not sign the form until proper repairs have been carried out. A thorough inspection of this automobile is expected to take between 30 and 60 minutes and the owner has been advised to expect to pay the normal shop rate for the inspection. Each inspection is valid for one event only, as multiple events within the 30 day interval could invalidate the results of the inspection (e.g., brake pad wear).

**Note 2: Instructor Safety** - The purpose of Driver Education events is to provide driver training in a safe environment. Rennsport Region PCA reserves the right, even if you are signed off for solo driving, to have an instructor in the passenger seat of your vehicle at any time. Instructors need to be confident about their own safety in your vehicle, and will not instruct you if they have any safety concerns. In the hopefully rare case that no instructor is confident in you or your vehicle, you may be excluded from driving on the track and may not receive a credit for the event. Instructors will be more confident if the passenger seat has not only equal restraints to the driver, but also equal seats.

**Note 3: 1965-68 911/912 Restraint System** - For these vehicles, must modify outer seat belt anchors so that the belt crosses pelvic bone and lower abdomen and down toward anchor as near to 45 degrees as possible.

**Note 4: Broomstick Test for cars without factory roll over protection** - The driver's helmeted head must be below a straight test stick placed between the top of the roll bar and the windshield. It is recommended that the passenger position also pass this test, in the interests of instructor safety.

**Note 5: 914 Battery Tray** - Check fuel lines under 914 battery tray for good condition.

**Note 6: 944 Throttle Return Springs** - Check springs at their attachment points for wear (notching) which may result in spring breakage.

**Note 7: 996 Oil Filler Caps** - The oil filler cap threads have insufficient grip onto the filler tube. As a result, the cap can come loose due to vibration. Must install a hose clamp on the filler cap to increase thread grip.

**Note 8: 911 Chain Tensioner Oil Lines** - Take particular attention to the hard chain tensioner oil lines for cracks and leaks.

**Note 9: Tires and Wet Track conditions** - No vehicle is permitted to drive on a wet track using tires with inadequate water evacuation capabilities. In such situations the suitability of tires will be the responsibility of the Safety Chair who will err on the side of safety and whose decision will be final.

**Note 10: Brake Pad Wear** - Brake pad wear during the event is dependent on driving style, track conditions, and event duration. Owners are responsible for ensuring sufficient brake pad thickness for the duration of the event, and may want to bring spare pads.

**Note 11: 924/ 944/968 control arms** - Inspect lower (steel) control arms for cracks on 924 and early 944. 944 Stage II Cars (1985 & 1/2 or later), all 968's, or earlier 944's that have retrofitted cast lower front suspension. Vehicles that have been lowered below factory specifications may encounter failure of the ball joint and lower suspension member. To prevent such failures, vehicles must be no lower than factory ride height, a minimum measurement of 13.0 inches from the center of the front wheel to the lower edge of the fender directly above the wheel centerline.

**Note 12: Restraint system** - If the participant chooses to install a 5/6 point driving harness (four point systems are not safe and therefore not allowed) 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. **SFI38.1 ou FIA 8858 Approved Head and Neck Restraint device is REQUIRED**

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. Due to UV degradation and wear the harness webbing must be replaced every five years.

**A reminder for the morning of each event day.** Prior to entering the morning tech inspection line at the event you must have

- \_\_\_ HELMET(S) - Snell Foundation 2010 or 2015 rated "M" or "SA" - BS6658-85 type A/FR - FIA886 2010 or SFI 31.1
- \_\_\_ LOOSE ITEMS - phone handsets, radar detectors, g-analysts, etc. must be removed from the vehicle.
- \_\_\_ CAR NUMBERS - Minimum of 5 inches high - Contrasting Color - Must be affixed to the car
- \_\_\_ TECH INSPECTION FORM - must be fully filled in and signed