

# AROSC-HPD TECH INSPECTION

For: non-Race Track Events

General Instructions: **Each participant is solely responsible for the safe condition of the car to be driven in the event and for their personal safety equipment.** Participants must have their vehicle and safety equipment inspected no less than one week prior to the event. This inspection must be performed by a qualified individual, including their self, who is familiar with the make and model of car and personal safety equipment. At the time of inspection, the participant must sign the completed Inspection Sheet. The participant must present the signed sheet at on-site registration in order to obtain the registration packet. If there is more than one driver for this car, complete and present one form for each driver.

**PLEASE PRINT LEGIBLY!**

Driver Name: \_\_\_\_\_

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

Car Make: \_\_\_\_\_ Model: \_\_\_\_\_ Year: \_\_\_\_\_ Color: \_\_\_\_\_

Pre-event technical inspection should include at a minimum all the following items. Additional items should be included as deemed necessary to ensure the safe condition of this vehicle.

**Please indicate with an "X" those items listed below which have been deemed acceptable:**

\_\_\_\_\_ **General:** No excessive rust or corrosion, all loose objects removed from the car's interior, seat and seat back securely mounted, windshield, windows and rearview mirrors in sound and serviceable condition.

\_\_\_\_\_ **Engine:** No fuel or coolant leaks, catch tanks on vented systems, correct coolant level, hoses and drive belts in good condition, throttle linkage operates smoothly, battery securely mounted.

\_\_\_\_\_ **Drive Train:** Engine, transmission and rear end mounts, boots and seals in show no signs of deterioration, excessive looseness or leaking.

\_\_\_\_\_ **Exhaust:** Securely mounted and no leaks.

\_\_\_\_\_ **Suspension:** Mounting points in good condition and all hardware properly secured, no excessive play or binding in wheel bearings, shocks functioning properly.

\_\_\_\_\_ **Steering:** No excessive play or binding, power steering fluid at proper level and in good condition.

\_\_\_\_\_ **Brakes:** Fluid level correct, in good condition (date of last fluid change: \_\_\_\_\_) and no leaks, sufficient pad/shoe thickness, no cracked or heavily scored rotors and drums, brake lights functioning. Master cylinder does not exhibit bleed down under constant pressure and the car brakes straight when peddle is applied.

\_\_\_\_\_ **Wheels:** No cracked or bent rims, all lug nuts/bolts present and properly torqued.

\_\_\_\_\_ **Tires:** No cracks, blisters or bulges, no exposed cord or steel belt material, inflated to proper pressure.

\_\_\_\_\_ **Rollover Protection:** Functional roll bars are required in all open cars.

\_\_\_\_\_ **Driver Restraint System:** Factory 3-point seat belts (2000 and newer cars) or SFI or FIA rated 5- or 6-point harnesses (Date: \_\_\_\_\_ & Cert: \_\_\_\_\_) in good working and functional condition. Aftermarket harnesses mounted according to manufacturer specifications and in manner so as to minimize injury.

\_\_\_\_\_ **Clothing:** Long sleeved shirt, long pants, socks and gloves, all made of natural fiber or fire resistant (NOMEX or equivalent) fabric, eye protection (may be incorporated into helmet).

\_\_\_\_\_ **Helmet:** SNELL SA or M 2000 or newer (Cert: \_\_\_\_\_) rated helmet in good condition. DOT helmets are not allowed.

Inspected By: \_\_\_\_\_ Date: \_\_\_\_\_  
Print Name/Sign

## **Participant Certification**

I hereby certify that the above vehicle has been carefully examined by a qualified technician, including myself, and that all of the foregoing items have been inspected. I understand that the safe condition and operation of this vehicle is entirely my responsibility and that AROSC, AROC, its officers, instructors, staff, and facility providers cannot be held liable or responsible for any vehicle malfunctions, damage or problems which may occur in connection with the operation of this vehicle prior to, during or subsequent to this event.

Name (print): \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

# Comments (non-Race Cars)

## Brakes

1. Pad thickness should at least ¼” for a two day event and 3/16” for a one day event. Thicker would be better and performance pads are recommended.
2. Fluid should be colorless unless it contained a dye when it was new, Ate Blue for example. If your fluid is golden-brown or darker it should be changed.

## Wheels

1. Lug nut/bolt torque should be as per the manufacturer specification.
2. There should be no missing lug nuts/bolts.
3. Steel valve stems are recommended.
4. Proper inflation pressure depends on the car and tire but should be at or slightly above the manufacturer’s recommendation.
5. Wire wheels are not allowed.

## Rollover Protection (open/convertible cars)

1. Porsche 996 and 997 cabriolets, 914s and Targas can use factory rollover protection as long as they are unmodified (see below) and the top is up while on track.
2. All other cars need a proper 4-point braced roll bar which passes the 2” broom stick test. If you don’t know what this test is, you should get someone else to tech your car.

## Driver Restraint

1. Cars manufactured from 2000 to the present, which have not been modified (see below), may run with the factory 3-point seat belts. Harnesses (see below), however, are highly recommended.
2. Cars manufactured prior to 2000 or cars which have been modified must have properly mounted harnesses (see below).
3. Belts/harnesses which appear old, worn or dirty are unacceptable.

## Clothing

1. Synthetic fiber clothing is not acceptable.
2. Non-synthetic garden gloves are acceptable hand protection.
3. Running shoes are acceptable but lug-soled hiking shoes are not.
4. Glasses or sun glasses are acceptable eye protection.
5. SFI or FIA rated fire resistant clothing is recommended.

## Helmet

1. Starting in the second half of 2010, SNELL 2005 or newer helmets will be required.
2. The SNELL rating sticker must be present and legible.
3. If the helmet shows any signs of impact, it should be returned to the manufacturer for recertification.

# Definitions

**Unmodified Car** – A car which has not be modified in order to increase horse power above the original/stock level and which has street tires (see below). Modifications made to the intake system in front of the carburetor(s) or air flow measurement device are excluded, as are modifications to the exhaust system which are made after the exhaust manifold. Suspension adjustments are acceptable as long as they stay within the range provided by the original manufacturer. Factory or purpose-built race cars are considered “modified”.

**Street Tires** – DOT tires with a wear index of 200 or higher. Tires advertised as “R-compound” or “track” tires **are not** street tires.

**Harnesses** – Acceptable harnesses are of the 5- or 6-point type (must include an antisubmarine strap). They must be current and have current SFI 16.1 or SFI 16.5 certifications tags, or current FIA 8853/98 (C-xxx.T/98 or D-xxx.T/98) homologation numbers attached.