

The PCA Zone 7

Autocross will be

An all forward motion, skill autocross with a rolling start and finish. Automobiles will be timed while driving a course laid-out on a paved area. Safety of the entrants, workers and spectators will be of paramount importance in the design and conduct of the event.

A-1. Referenced Rules

The rules referenced below apply to the autocross. These rules can be found in the 2018 PCR's

(a) Eligibility. (See G-2.1. through G-2.6.)

(b) Protests. See G-9.

(c) Awards. See G-11.1. and G-11.3.

(d) Entrants must complete on-site check-in before the event or they will not be allowed to compete.

Entrants classification or classification changes must occur no later than the Start of timed runs

A-2. Classification

Drivers are responsible for properly classifying their automobiles. Refer to G-5.2.

"Misclassification", G-3.2. "Questions", and G-9.5.3. (b) "Automatic Disqualifications".

A-2.1. Categories

There are four categories of classes – **Showroom Stock, Production, Improved and Modified**. Categories are related to automobile configuration.

The **Showroom Stock (S)** Category contains classes of automobiles as normally delivered and specified for use in the United States and Canada. Factory options as normally available for a specific model year are permitted. Certain factory and/or dealer installed equipment/options will move an automobile out of S and into Production or higher as specified in the Modifications .

Allowed List (Appendix V) table so as to maintain the intent and integrity of the Showroom Stock classes.

The **Production (P)** category contains automobiles (as normally delivered to the United States and Canadian public through authorized sales outlets of the manufacturer) plus others with limited performance-affecting changes from stock.

The **Improved (I)** category contains automobiles with more substantial performance-affecting changes from standard (stock) specification, whether changed by the factory, dealer or owner. These modifications have defined limits. These automobiles are classed according to their number of cylinders and actual displacement.

The **Modified (M)** category contains automobiles that have performance-affecting modifications outside of the limits of the Improved category and for race automobiles (factory-built or otherwise). These automobiles are classed according to their specified number of cylinders and actual displacement.

A-2.2. Classes

Each category is divided into classes, grouping automobiles with similar performance potential. Each class is divided into an open group (both men and women can participate) and a separate Women's groups for scoring purposes. Classes prefixed with "S" are for **Showroom Stock**, those with "P" are **Production Classes**, those with "I" are **Improved Classes** and those with "M" are **Modified Classes**. "Open" and "Women's" classes are designated with a suffix "O" or "W" respectively as appropriate for each class as designated in the Class Chart below (example: S01O, P08W or M04O).

Showroom Stock classes are available for a limited number of recently manufactured automobiles. Those automobiles exceeding the Showroom Stock class allowances, not listed in Showroom Stock or not considered factory race cars are considered Production automobile models and are initially assigned to a Production class. Those individual automobiles with significant modifications are "progressed" into classes with higher performance potential. Modifications are discussed under "Category Progression" below. The numerical assignments of the classes do not necessarily indicate relative performance potential between classes. Factory and non-factory race cars are considered modified and are classed by the number of cylinders and actual displacement. These classes, plus those reserved exclusively for progressed cars, are presented in the Class Chart. For the purpose of automobile classification, factory options as normally delivered for a specific automobile and/or model year are permitted. Certain factory and/or dealer installed equipment/options will move the automobile out of the Showroom Stock or Production Categories. This includes R-rated, less than 180 treadwear, tires *even if they were* on the automobile as delivered. However, those dealer and factory options that are not considered to improve performance are allowed in the Showroom Stock and Production classes (i.e., trim packages, air-conditioning, etc.).

Showroom Stock automobiles, delivered from the factory with tires with a tread wear of less than 180, may run in their respective Production Category classes. These automobiles must run the N-spec tires specified by Porsche for that year and model and have no additional alterations or modifications. Showroom Stock or Production classes are also the starting point in the determination of final classification of the automobiles that have been changed from stock. Production based "racing" automobiles will be classed according to their initial car type and the modifications they have as specified in these rules. If an automobile is not a United States-specification automobile, the entrant must be able to prove that the automobile is equivalent to the respective Production automobile (as delivered to the United States public through authorized sales outlets of the manufacturer) to qualify for Production classification or equivalent to the respective Improved automobile to qualify for Improved classification; otherwise the automobile will be classified in the Modified category. DOT and/or EPA Certification alone do not make an automobile equivalent to a U.S. specification automobile for the purposes of the PCRs.

Class Chart

A-2.2.1. Showroom Stock Category

- S01:** Vintage Porsches (1948-1977)
- S02:** Vintage Porsches (1978-1989)
- S03:** 944 S2 (1989-1991);944 Turbo (1986-1989);928 (1978-1995)
968 (1992-1995);911 Turbo (1975-1989);911 Carrera 2 (964: 1990-1994)
Carrera 4 (964: 1989-1994);RS America (1993-1994)
- S04:** Boxster (986:1997-2004), All except Boxster S
- S05:** Boxster S (986: 2000-2004)
- S06:** Boxster (987: 2005-2012), All except Boxster S/Boxster Spyder
Cayman (2006-2012), All except Cayman S/Cayman R
Boxster (981: 2013-2016), All except Boxster S (981: 2013-On), All
Cayman (981: 2013-2016)
- S07:** Boxster (718: 2017-On) except Boxster S;
Cayman (718: 2017-On) except Cayman S
Boxster S (987: 2005-2012), All except Boxster Spyder
Boxster S (981: 2013- 2016) except GTS/GT4
Cayman S (981: 2013- 2016) except GTS/GT4
Cayman S (987:2006-2012), All except Cayman R
Boxster S (981 :2013-2016)
- S08:** 911 Carrera (993: 1995-1998), All except Turbo
- S09:** 911 Carrera (996: 1999-2005) except 996 Turbo/GT2/GT3
911 Carrera 2/4 Turbo (964: 1990-1994)
- S10:** 911 Carrera (997: 2005-2012), All except 997 Turbo/GT2/GT3
997S (2005-2009) without X51
911 Carrera (991: 2012-On), All except 991S/GTS
993 Turbo
- S11:** 911 Carrera (997S: 2005-2009) with X51
911 (991S: 2012-On);993 Turbo, 997S (2009-2012)
997 GTS/Speedster (2010-2012)
996 Turbo. (2001-2005), except 996 GT2
Boxster Spyder (2010-2012) and (2016-On)
Boxster S (718: 2017-On);Boxster GTS (2014-2016)
Cayman S (718: 2017-On);Cayman R (2011-2012)
Cayman GTS (2014-2015)
- S12:** Cayman GT4 (981: 2016-On);996/997 GT3 ("2004-2013)
911 GTS (997: 2011-2012)

S13: 911 Carrera 996/997 GT2 (2002-On)
911 Turbo (997: 2006-2013);911 GTS (2014-On)
991 GT3 (2014-On);991 GTS (2017-On)
991 Turbo (2014-On);Carrera GT (980: 2004-2005)
918 (2014-On);911 R (991: 2017)

S14: Cayenne, All
Cayenne S (2003-2010), All except GTS/Transsyberia
Panamera (2011-On), All;Cayenne Hybrid (2011-On)
Cayenne Diesel (2013-On);Macan (2014-On), All except Turbo
Macan Diesel (2014-On)

S15: Cayenne GTS/Transsyberia, All
Cayenne S (2011-On);Cayenne Turbo (2013-On)
Panamera S (2011-On);Panamera Turbo(2011-On)
Panamera Hybrid(2012-On);Panamera GTS (2013-On)
Macan Turbo(2014-On)

A-2.2.2. Production Category

P01: 356, All;912/912E, All

P02: 914/4, All;924, All

P03: 924S 2.5, All;924 Turbo (931), All
944, All; 944S, All

P04: 944 Turbo (951), All
944S2, All;968, All; 928, All

P05: 911 (1965-1971), All
914/6, All

P06: 911 (1972-1977), All

P07: 911SC (1978-1983)

P08: 911 Carrera 3.2 (1984-1989)
911 Speedster (1989)

P09: 911 Carrera 2 (964: 1990-1994)
911 Carrera 4 (964: 1989-1994)
American Roadster, All;RS America (1993-1994)
911 Carrera (993), All;911 Turbo (1976-1989), All

P10: 911 Carrera (996), All except Turbo/GT2/GT3
997 (2005-On), All except 997S/Turbo/GT2/GT3
911 Carrera 991 (2012-On), All except 991S
911 Turbo (964 & 993: 1990-1998)

- P11:** Boxster S (718: 2107-On)
 Cayman S (718: 2017-On)
 911 Carrera (997S: 2005-On), All
 997 GTS/Speedster (2010-On), All
 911 Turbo (996: 2001-2005) except 996 GT2, All
 991S(2012-On), All;Boxster Spyder (2010-2012)
 Boxster Spyder (2016-On);Boxster GTS (2014-On)
 Cayman R (2011-On);Cayman GTS (981: 2014-2016)
- P12:** Cayman GT4 (987: 2016-On), All
 996/997 GT3 (2004-2013);911 GTS (997/991: 2012-On)
- P13:**911 GT3 RS (997/991: 2007-On)
 911 GT2 (996/997/991:2004-On)
 991 GTS (2017-On);911 Turbo (997: 2006-2013)
 991 Turbo (2014-On);Carrera GT (980: 2004-2005)
 918 (2014-On);911 R (991: 2917)
- P14:** Boxster (986: 1997-2004), All except Boxster S
- P15:** Boxster S (986:2000-2004)
 Boxster (987:2005-2012), All-except Boxster Spyder
 Boxster (981: 2013-2016);Cayman (2006-2012), All-except Cayman S/Cayman R
 Cayman (981: 2013-2016)
- P16:** Boxster (718: 2017-On) All except Boxster
 Cayman (718: 2017S-On) All except Cayman S
 Boxster S (987: 2005-2012)-except Boxster Spyder
 Cayman S (981: 2013-2016), except GTS/GT4
 Cayman S (987: 2006 - 2012)-All except Cayman R
 Boxster S (981: 2013-2016);Cayman S (981: 2013-2016)
- P17:** Cayenne, All; Panamera, All; Macan, All

A-2.2.3. Improved Category

- I01:** Progressed Cars, up to 2500cc (Non-Turbo)
- I02:** Progressed Cars, 2501cc up to 3200cc (Non-Turbo)
- I03:** Progressed Cars, 3201cc to3400cc, All Turbo cars under2700cc
- I04:** Progressed Cars, 3401cc to3600cc; All;
 Turbo/Supercharged 4 Cylinders over 2701cc
- I05:** Progressed Cars, 3601cc: All Turbo/Supercharged
 6 and 8 Cylinder and above.

A-2.2.4. Modified Category

M01: Progressed Cars, up to 2500cc (Non-Turbo)

M02: Progressed Cars, 2501cc to 3200cc (Non-Turbo)

M03: Progressed Cars, 3201cc to 3400cc; All Turbo cars under 2700cc

M04: Progressed Cars, (All 6 Cylinder and above)

3401cc up to 3600cc;

All Turbo/Supercharged 4 Cylinder 2701cc

M05: Progressed Cars, All cars over 3601cc;

All Turbo/Supercharged 6 and 8 Cylinder.

A-2.4. Category Progression

Showroom Stock automobiles are not permitted any modifications beyond A-2.5.3. and A-2.5.4.

For **Production** category automobiles, the classification of your automobile depends not only on the model but also on the type of changes (if any) made to or options on the automobile. Improvements and alterations may cause your automobile to progress into a different class. The Modifications Allowed List provides an overview, but not a definition, of what modifications are allowed for what categories. Each category section will define the limits or allowances for particular items as listed below. If a modification is not specifically listed, it is not allowed in that category except in Modified. See Appendix V for the Modifications Allowed List.

A-2.5. Allowances

IF THE PCRS DO NOT SPECIFICALLY PERMIT A MODIFICATION, IT IS NOT ALLOWED EXCEPT IN MODIFIED.

Allowances are divided up into five categories: Free, Showroom Stock, Production, Improved and Modified. Some modifications are “free,” that is, allowed without effect on classification. Other modifications from Stock are considered to affect performance and therefore may move the automobile into any of the Production, Improved or Modified depending on the performance effect of the modification. If certain modifications specified in the text are performed on your automobile, you will be moved to the Production, Improved or Modified class where that modification is permitted. In Modified, the rules specify the minimum requirements necessary to compete. General automobile technical specifications are listed in Appendix VI.

A-2.5.1. Engine Swaps.

Only Porsche automobiles with Porsche-based engines, may enter the autocross.

A-2.5.2. Update/Backdate Modifications (Production/Improved).

Major assemblies, such as engines and transmissions, may be substituted if the parts are from the same series automobile. Some changes affect classification; others do not.

- (a) Changes Within Model Range: Automobiles may be updated or backdated without effect on classification provided the specifications remain within the boundaries of the model range for the automobile. Model ranges are defined in the chart below. Major specifications are given in Appendix VI.

Model Ranges

Series	Models	Year
356:	356 Super 90 & SC.....	All
	Carrera-1500 & 1600.....	All
	Carrera-2000 GS.....	All
	Any Other 356 Model	All
911:	Any 911 Model	1965-71
	Any 911 Model	1972-77
	911SC	1978-83
	911 Carrera.....	1984-89
	911 Carrera 2/4 (964)	1989-94
	911 Carrera (993)	1995-98
	911 Carrera (996)	1999-05
	911 Carrera (996 GT2)	2002-05
	911 Carrera (996 GT3)	2003-05
	911 Carrera (997)	2005-11
	911 Carrera (997 GT2)	2008-13
	911 Carrera (997 GT3)	2006-13
	911 Carrera (991)	2012-On
	911 Carrera (991 GT3/GTS)	2014-On
912:	912	All
	912E.....	All
914:	914/4	All
	914/6	All
924:	924	1977-82
	924S	1987-88
	924 Turbo (931).....	All
928:	928	1978-86
	928	1987-95
930:	930	1976-80
	911 Turbo	1986-89
	911 Turbo (964)	1990-94

911 Turbo (993)	1996-98
911 Turbo (996)	2001-05
911 Turbo (997)	2006-13
911 Turbo (991)	2014-On
944: 944.....	All
944S.....	All
944S2.....	All
944 Turbo (951).....	All
968: 968.....	All
986: Boxster	1997-04
Boxster S	2000-04
987: Boxster/S.....	2005-2012
Cayman/S	2006-2012
981: Boxster/S/GTS.....	2013-2016
Cayman/S/GTS.....	2013-2016
718: Boxster/Boxster S/GTS.....	2017-On
Cayman/CaymanS /GTS.....	2017-On
Cayenne	2004-On
Cayenne S	2003-On
Cayenne Turbo	2003-On
Cayenne Hybrid.....	2012-On
Cayenne Diesel	2014-On
Macan S	2014-On
Macan Turbo	2014-On

(b) Changes Outside the Model Range: The degree of updating or backdating will, in most cases, affect the degree of class/category progression. Selective substitution, as opposed to complete substitution, may result in a category change. For instance, if only one or two major components (such as an engine and/or transmission) are substituted from outside the model range without completely updating or backdating the automobile, then the automobile may change categories. However, if an automobile should be completely updated or backdated, it would then be classed according to its new (substituted) model range. An example would be a 1972 911 engine installed in a 1967 chassis. Then to achieve a complete update, a 1972/1973 transmission and associated ring and pinion gear must also be installed plus the wheel base must be lengthened and the new weight must be in the 1972/1973 range. Items that do not affect performance need not be changed. Car must meet all specifications per Appendix VI.

A-2.5.3. "Free" Modifications.

Safety equipment is free in all classes except Showroom Stock, provided limits of any class category are met. Items considered free include harness bars, fire extinguishers, non-factory seat belts, race seats, window nets, head rests, cut-off switches, tow hooks, seat back braces and required mounts for any of the above. In Showroom Stock, attachments points or mounts for any of these items may be left in the automobile, but the actual device will not be allowed to remain or be used if it could be considered to provide the driver or the automobile any performance advantage.

A-2.5.4. Showroom Stock Modifications.

Unless otherwise specified in these rules, no alterations or modifications are allowed to these automobiles. Only original equipment manufacturer (OEM) wheels as originally specified and OEM tire sizes as originally provided and/or specified for each specific model year are permitted. All Showroom Stock class tires must have a tread wear rating of 180 or greater. Wear and tear items, excluding tires, must be comparable in construction and specifications to the originally supplied factory components. Adjustments are permitted provided no modifications and/or alterations are necessary to achieve the desired adjustment. Automobiles must run with their spare tire, jack, lug wrench, owner's manual(s), tools, etc. Owner's manual(s) will be used to help verify questionable equipment options and designated wheel/tire sizes. No aftermarket equipment that might be reasonably perceived as performance affecting is permitted in these classes. Items included in this restriction include, but may not be limited to, aftermarket air filters, aftermarket exhaust systems, aerodynamic aids, computer chips, five/ six point seatbelts, race seats, harness bars, roll bars, roll cages, etc.

A-2.5.5. Production Modifications.

The Production category is for street automobiles altered beyond the Showroom Stock limits. The following adjustments, alterations or modifications are allowed in the Production class automobiles plus what was allowed in Showroom Stock. Automobiles may be updated to another model provided all of the automobile is brought up to that models specification.

A-2.5.5.1. Engine

(a) Air Cleaner: The air cleaner may be removed, modified or replaced with another type. Any modification may not conflict with other rules.

(b) Modified Ignition: Any modification is permitted, provided an original type distributor is used.

(c) Modified Carburetors: Any automobile originally carbureted may have any carburetor, provided the throttle bore and venturi dimensions are not changed from original specifications. Jet sizes may be changed.

A-2.5.5.1. Engine (Cont'd)

911 models with mechanical fuel injection or Solex carburetors may change to replacement carburetors that have throttle bores no larger than 40mm. 914/912E models may be converted to carburetors with throttle bores no larger than 40mm.

(d) Fuel Injection: No substitution of performance affecting components for fuel injected automobiles is permitted. Any DME EPROM chip may be used except for those chips programmed to alter turbo boost. No modifications to the intake manifold are allowed.

(e) Wet Sump Modifications: If an automobile has a wet sump lubrication system, the sump maybe modified to

Ensure a constant source of engine lubrication at the oil pickup tube. If an automobile has a dry sump lubrication system, no modifications are permitted.

(f) Modified Oil Cooler/Filter: The addition of any oil cooler and/or filter is permitted.

(g)Substituted Roller Bearing Cranks: For 356-based or Carrera 4-based engines, any roller bearing crank may be used. Plain bearing cranks may be substituted for roller bearing cranks. Counterbalanced cranks are permitted.

(h) Balanced Engine: Balancing of internal engine parts is permitted.

(i) Camshafts: The stock camshaft must be used.

(j) Exhaust Modifications: Alternate exhaust systems are permitted after the head(s) for automobiles with or without catalytic converters. Headers are permitted. A muffler is required. Air pumps may be removed.

(k)Air Conditioning: Removal is permitted provided original automobile may have been delivered without it.

(l) Overbore: Overbore is allowed up to 1.2MM(0.047").

(m) Gasoline: Any grade of automotive gasoline available to the general public through normal retail service stations is permitted.

(n) Clutch: Any model clutch is allowed. Rubber center clutch discs may be replaced with spring discs. The flywheel and pressure plate may be lightened.

(o) Velocity Stack: Velocity stacks maybe added or modified.

(p) Compression Ratio: Engine compression ratio's may be increased up to .5 points from U.S. production specifications.

(q) Fuel Pump: Fitting of an electric fuel pump is permitted.

(r) Chain Tensioners/Guards: Any chain tensioner or guards are permitted.

(s)Battery: Any battery may be used. Those automobiles delivered with two batteries may remove one.

A-2.5.5.2. Suspension

(a) Limited Suspension Adjustments: Any adjustment of the standard suspension components is permitted, provided no machining is required for the adjustment.

Factory components must be used for mounting of struts and shock absorbers to the body.

A-2.5.5.2. Suspension(Cont'd)

(b) Alignment: Any adjustment may be made provided no other change is necessary to make the adjustment.

(c) Coil Springs/Torsion Bars: Any coil spring may be replaced by any other coil spring. Any torsion bar may be replaced by any other torsion bar as long as they are of the same type and mount in the same manner without modification to the chassis or suspension components.

(d) Shock Absorbers: Any shock absorber may be used provided it is not remotely adjustable.

(e) Adjustable spring perches are allowed.

(f) Sway Bars: Any anti-sway bar may be installed. Sway bar may not be adjustable from the cockpit.

(g) Rear Camber Compensation (356 Only): Any rear camber compensating device may be used.

(h) Bushings: Non-standard (non-elastic) suspension Bushings may be used.

(i) Shock Tower Brace: A front and/or rear shock tower brace may be used in any automobile provided that: it can be quickly and easily removed, it must be a bolt in component. Any number of attachment points may be used; (2) all attachment points are within three inches of a vertical plane passing through the top center of the shock absorber.

(j) Spring Plates: Adjustable spring plates are permitted on any automobile not so equipped from the factory.

(k) Tie-Rod Ends: The use of 911 Turbo tie-rod assemblies is permitted.

(l) Hydro-pneumatic Suspension: Removal of this suspension is not only allowed but is encouraged.

(m) A-Arms: 924/944/968 series may use aftermarket A Arms provided suspension geometry is not altered.

(n) Water-cooled cars (1996-On) can use GT3 style lower control arms, any caster control arms and any rear toe links may be used.

A-2.5.5.3. Brake/Wheel/Tire

(a) Tires: All tires must be Department of Transportation(DOT) approved. Any DOT tire may be used providing they have a visible tread, have DOT wear indicators and have visible tread across the entire tread surface. Tires must have a minimum tread wear of 180 unless it is a Showroom Stock automobile running in the correct Production Category class. Tire aspect ratio and width is free but must fit under the stock fender wells. Tires must be marketed nationally and generally available to all competitors. The cord may not be visible before, during, or after runs. Recapped tires or re-grooved tires are not allowed. Competitors are responsible for policing the "rubbing tire" rule and protests must be made before timed runs.

A-2.5.5.3. Brake/Wheel/Tire(Cont'd)

(b) Track Width: Modifications to track width by the use of wheel spacers and/or wheel offset are permitted provided no modifications to the automobile, other than increasing the stud/bolt length, are performed. Increase may not be more than 1.0" over stock. Only 356 models with drum and very early disc brakes may use individual spacers for each wheel stud.

(c) Brakes: Pads, linings, and brake lines of any manufacture may be used. Any type of brake cooling may be used. Rotors may be drilled or slotted. Brake bias valve may be changed but cockpit adjustable valves are not permitted. Cars with ceramic rotors may change them to stock dimension alternate material rotors.

(d) Increased Rim Width: Rim width may be increased up to 1.0" over the widest rim available from the factory (front and rear respectively; see Appendix V) for that model range so long as the width does not extend beyond the stock fender width as measured from the top of the tire and fits the stock fender wells.

(e) Wheels: All wheels shall be the same diameter as available from the factory for the model range of the automobile or within an increase or decrease of 1.0" from the factory specifications.

(f) Spare Tire: The supplied spare tire may be removed.

(g) Wheel Bolts: Cars using wheel bolts may change to studs, as long as factory thread engagement is maintained.

A-2.5.5.4. Chassis/Body/Interior

(a) Limited Fender Modifications: Fenders (including wheel openings) may be modified provided the tire- wheel-spacer combination and ride-height setting used could be used without the fender modification (i.e., could be used on an unmodified automobile of the same model and year.) In the event of a protest, the entrant must be able to prove compliance with this rule.

(b) Interior Modifications: Any accessory, gauge, or Indicator may be fitted if its purpose is to improve driver Or passenger comfort or convenience and provided such items have no effect whatsoever on mechanical performance. Alternate seats may be used and floor mats may be removed. Any steering wheel is allowed.

(c) Roll Bars: Roll bars are permitted. Full interior roll cages are not permitted.

(d) Spoilers: Any rear spoiler, unless as delivered as a factory option, is permitted provided the leading edge of the spoiler is attached to the automobile, the spoiler is no wider than the stock body width and the spoiler doesn't exceed 5" in height from the leading edge. Any rear wing may be used as long as it is not wider than the door handles; does not extend past the rear of the car; no part is higher than the roof; and has less than six (6) square feet of area for all wing elements. (measured from directly above the car).

(e) Air Dams: Any front air dam or splitter, unless as delivered as a factory option, is permitted provided it does not extend to less than 2.5 inches above the

A-2.5.5.4.Chassis/Body/Interior(Cont'd)

ground and not more than 4 inches forward of the front bumper. Splitters cannot be wider than the bumper.

(f) Seam Reinforcement (914 Only): Seam reinforcement kits are permitted "free" on 914s, provided each reinforcement is limited to a single seam and that all Reinforcements combined do not substantially increase the rigidity and stiffness of the chassis. It is recommended to 914 model owners to have the chassis inspected for rust on a periodic basis.

(g) Bumpers: Bumpers may be removed on any 356 series automobile.

(h) Bolt-on windshields: Bolt-on windshields may be removed.

(i) Jack/Tools/Manuals: Removal of jack, tools and owners manual(s) is allowed.

A-2.5.5.5. Transmission

(a) Limited Slip: Any type of differential is permitted in all automobile. Spools or welded differentials are not permitted.

b) Gear Shift Linkages: Gear shift linkages may be modified or exchanged. This permits the use of a short shift kit in any automobile or the use of side- shifter transmission in any 914.

A-2.5.6. Improved Modifications.

The Improved category is for street vehicles with modifications beyond those allowed in the Production Category. The modifications are limited but much more liberal than those in the Showroom Stock or Production Categories. The following adjustments, alterations, or modifications are allowed in the Improved class automobiles plus what was allowed in the Showroom Stock and Production classes.

A-2.5.6.1. Engine

(a) Mufflers: Mufflers may be removed provided this is permitted by the event organizer and the local authorities/jurisdiction.

(b) Ignition: Any ignition system is allowed.

(c) Gasoline: Any gasoline is permitted.

(d) Engine Substitution: Any Porsche engine is permitted in any Porsche automobile.

(e) Fuel Management: Automobiles may use any fuel management/induction system including chips or other means that alter turbo boost. Turbochargers or superchargers are permitted.

(f) Compression Ratio: Engine compression ratio's may be increased up to 1.0 points.

(g) Battery Location: The battery may be located anywhere within the automobile.

(h) Intake System: Any intake system may be used.

(i) Wet/Dry Sumps: Any change or addition is permitted.

(j) Camshafts: Any camshaft may be used.

A-2.5.6.2. Suspension

- (a) Shocks Absorbers: Multi-adjustable or remotely adjustable shock absorbers are permitted.
- (b) Camber Plates: Camber plates are permitted. Machining of factory mounting points is permitted to allow greater suspension adjustment.
- (c) Raised Spindle: Raised spindles are permitted on strut type suspensions.
- (d) Suspension Mounts: Any suspension mount may be used provided the number of mounting points and mounting locations remain as factory.
- (e) Suspension Arms: Any suspension arm may be used provided use requires no other automobile modifications. For example, this includes the use of any lower control arm, tie-rod assembly and/or bump steer kit.

A-2.5.6.3. Wheel/Brake/Tire

- (a) Brakes: Any brake modifications are permitted. Any brake biasing valve is permitted.
- (b) Tires: Any DOT tire is permitted. The cord may not be visible before, during or after official timed runs.
- (c) Track Width: Modifications to track width are permitted up to 2.0" over stock. Only 356 models with drum and very early disc brakes may use individual space for each wheel stud.
- (d) Increase Rim Width: Rim width is free so long as the width does not extend beyond the fender.
- (e) Wheels: Wheels may be any diameter.

A-2.5.6.4. Chassis/Body/Interior

- (a) Roll Bars/Roll Cages: Roll bars or full interior cages are permitted. See Appendix XII for additional information, specifications and requirements.
- (b) Spoilers: Any rear spoiler, delivered as a factory option, is permitted. All others are permitted provided the leading edge of the spoiler is attached to the automobile. The spoiler can be no wider than the stock body width and the spoiler does not exceed 10 inches in height, from the leading edge. Any rear wing can be used as long as it is not wider than the door handles; does not extend past the rear of the car; no part is higher than the roof; and has less than 8 square feet of area for all wing elements (measured from directly above the car)
- (c) Air Dams: Any front air dam or splitter delivered as a factory option is permitted. All others are permitted provided it does not extend to less than 2 inches above the ground and not more than 5 inches forward of the bumper. Splitters cannot be wider than the front bumper.
- (d) Interior: Automobile, at minimum, must have dashboard, windows (glass or plexiglas), visors (if originally equipped), headliner, and door panels. The original number of seats and passenger restraints must be present. Removal of mats and loose carpeting is allowed (i.e., what isn't Originally screwed and/or glued down). Headlights, taillights, brake lights and turn signal lights must be operational.
- e) Bodywork: The use of fiberglass or other material body components is permitted for the following components: hoods (front and rear), rear deck lids, bumpers and rocker panels.

A-2.5.6.4. Chassis/Body/Interior(Cont'd)

- (f) Fenders: Fenders may be altered to allow fitting of alternative wheels and tires. All four tires shall not extend beyond the fender opening at the highest point of the tire, unless the Porsche model was originally an open-wheeled design.
- (e) Fuel Tanks: Fuel tanks may be changed and/or relocated.

A-2.5.6.5. Transmission

- (a) Transmission: Any Porsche-based transmission is permitted.
- (b) Transaxle gear ratios. Any ratio set may be used outside of the specified gear set. Ring and pinion may be altered.
 - (b) Limited Slip: Any differential may be used.
 - (c)

A-2.5.7. Modified Modifications.

The modified category includes all automobiles modified beyond the allowable limits specified in the Showroom Stock, Production and Improved categories as well as some Limited Production and "tuner" automobiles. These rules provide the minimum that is required for the automobile to compete in this category. Some items are specified that are not allowed in this category. Unless defined as a production vehicle with complete documentation proving so, all racing, rally and special non-production Porsche models shall be included in this category.

A-2.5.7.1. Engine

- (a) Engine: A Porsche-based engine is required.
- (b) Displacement: The displacement may be increased to that of the maximum in the class.
- (c) Fuel Management: Modifications to the fuel injection or carburettor system are free. The use of turbochargers or superchargers other than those used in production is permitted by class allowance. Modified boost pressure is permitted.
- (d) Ignition: Any ignition system is permitted.
- (e) Nitrous Oxide Systems: These systems are not permitted.

A-2.5.7.2. Suspension

- (a) Machined Suspension: Any adjustment may be made and machining is allowed (such as machining to attain negative front camber on 356-series cars). Suspension points may be relocated.
- (b) Multi-linked Suspension: This suspension type is permitted and is free.

A-2.5.7.3. Wheels/Brake/Tire

- (a) Wheel and Tire: Any wheel and tire combination is permitted. Non-DOT tires are permitted. The cord may not be visible before, during or after official timed runs
- (a) Chassis: Original Porsche-based chassis, unibody or tube frame chassis is permitted.
- (b) Roll Bars/Roll Cages: Roll bars or full interior cages are permitted. In some instances, they may be required. See Appendix XII for additional information, specifications and requirements.
- (c) Bodywork: Automobile bodywork must maintain recognizable external features of the

A-2.5.7.3.Wheels/Brake/Tire(Cont'd)

Porsche model. Tires may extend beyond the fender opening. Automobile bodywork must include a front and rear trunk or deck lid and doors.

A-2.5.7.5. Transmission

(a) Transmission: Any transmission is required.

A-2.5.8. Other Modifications.

Any equipment, component, part, or modification which is deemed performance affecting and which is not specified will make the automobile entered subject to reclassification to a higher class or category by the Safety Inspection team or the Protest Committee at their discretion or by protest of a competitor in the same class the automobile is competing.

A-9. PCA ZONE 7 LOCAL RULE ADDENDUM

These rules are local only and not legal for a Parade AX

A-9.1.1 Improved class cars may run any cam.

A-9.1.2 Modified cars are encouraged to run a roll bar matching the current PCA PCR's but are not required.

A-9.1.3 Showroom Stock Class cars can run tires that are as delivered by the Factory for a given model, even if not a tread wear rating of 180.

A-9.1.4 Any Showroom Stock Class car may run any brand, model or tread wear tire allowed on any of the cars in its particular Class. Tire size however must remain the stock sizes as provided by the factory.

A-9.1.5 GT3 adjustable front control arms are allowed in Production class and higher

A-10.0 PCA ZONE 7 SERIES SCORING

A-10.1 To be eligible for a year end trophy a participant must run more than 50 percent of the scheduled PCA Zone 7 Autocross series events. The Participant must also run in three or more different region events.

A-10.2 DROPS. Depending on how many events are done in a current year's series, there will be a certain amount of events counted towards year end awards for class and Pax trophies.

4 events in a series	All events count
5-6 events in a series	Drop one event
7-8 events in a series	Drop two events
9 or more events	Drop three events

A-10.3 Scoring

For Class scoring First place receives	20 points
Second place	16 points
Third place	13 points
Fourth place	11 points
Fifth place	9 points
Sixth place	7 points
Seventh place	5 points
Eighth place	3 points
Ninth place	2 points
Tenth place	1 point

A-10.4 Pax Scoring

Pax first place will receive 100 points per event. Each descending place will get approximately 8 percent less. (Example: Second place gets 92 points).

A-10.5 Pax Factors

Each Zone 7 class is assigned a Pax Index number. These numbers are used to compare an entrants times with each other taking into account the historical performance of each class. The Entrants best time is multiplied by the Pax Index number to get a number to be compared to all other entrants best run. The Pax factors for each class is based on past results for each class compared to the TTOD of each event. Every year the Pax index numbers could change when conditions change (New Car Models). There is a PCA Zone 7 yearend award for Men's and Ladies Pax Champion.

S1 Pax index	.845	M1 Pax index	.993
S2 Pax index	.875	M2 Pax index	.995
S3 Pax index	.878	M3 Pax index	.996
S4 Pax index	.900	M4 Pax index	.998
S5 Pax index	.904	M5 Pax index	1.00
S6 Pax index	.914	P1 Pax index	.876
S7 Pax index	.939	P2 Pax index	.904
S8 Pax index	.903	P3 Pax index	.909
S9 Pax index	.905	P4 Pax index	.918
S10 Pax index	.912	P5 Pax index	.908
S11 Pax index	.945	P6 Pax index	.919
S12 Pax index	.965	P7 Pax index	.918
S13 Pax index	.971	P8 Pax index	.920
S14 Pax index	.890	P9 Pax index	.928
S15 Pax index	.901	P10 Pax index	.933
		P11 Pax index	.972

P12 Pax index .975
P13 Pax index .981
P14 Pax index .919
P15 Pax index .921
P16 Pax index .953
P17 Pax index .920

I1 Pax index .965
I2 Pax index .970
I3 Pax index .990
I4 Pax index .996
I5 Pax index .998