

**NNJR-PCA Autocross Classes and Rules**  
**Updated July, 2020**

**For 2020 NNJR-PCA will be using a modified form of PCA’s “Mid Sized Region” classes, taken from the 2020 Parade Competition Rules (PCRs).**

1. Find your model and year in the lists below.
  - a. Showroom Stock means truly stock – no modifications from showroom. 180+ treadwear tires even if delivered with under 180. Must run with spare, tools, etc. Zero mods.
  - b. Production - 80% of cars will be production. Many performance mods allowed. 180+ treadwear
  - c. Improved – Street cars modified with any DOT tires
  - d. Modified - heavily modified cars. Anything goes, must be Porsche based
2. All S and P classes require street tires with DOT tread-wear rating  $\geq$  180
3. Generally, after 3 generations, older cars are moved into the “production” category – so even though your car may be stock to you, if old enough, it may no longer qualify for stock under PCA rules
4. There will also be a “FUN” class – don’t worry about classing, just learn the sport and improve your technique and times (no trophies though!)

Class assignments are immediately below. Find your car and see what class it fits into. We have also reproduced the requirements for all categories below.

Please see full 2020 Parade Competition Rules for more details here:

[https://mediaassets.pca.org/pages/microsites/parade2020/files/uploads/25832\\_2020\\_pcr\\_final\\_3\\_3\\_2020.pdf](https://mediaassets.pca.org/pages/microsites/parade2020/files/uploads/25832_2020_pcr_final_3_3_2020.pdf)

~~~~~

**Showroom Stock Classes 180+ tread-wear:**

**Class S1:**

1992-1995 968; 1989 Carrera 4 – 1990-1994 Carrera 2 Carrera 4, RS America (964); 1997-2004 Boxster (986), Cayenne; Panamera; Macan

**Class S2:**

1995-1998 Carrera, S, 4S (993); 2000-2004 Boxster S (986S); 2007-2016 Boxster Base, Cayman Base (987, 981), 1999-2005 Carrera (996)

**Class S3:**

2006-2019 Carrera Base (997/991); 1992-1995 Turbo/Turbo 3.6 (965); 2006-2016 Boxster S, GTS, Cayman S, GTS (987/981); 2017-2020 Boxster Base, Cayman Base (718); 1996-1997 993 Turbo (All), 996 Turbo (Non-GT2)

**Class S4:**

2006-2019 Carrera S, GTS (997, 991), 2016-2019 Boxster S, GTS, Cayman S, GTS, (718S); 2011-2012, 2016 Boxster Spyder 3.8 (All), 2011-2012 Cayman R, 996 GT2/GT3

**Class S5:**

2006-2019 911T, 911R, GT2/GT3/GT3RS (997-991) All; 2007-2019 911 Turbo (997/991); 2020 Cayman/Boxster GTS 4.0 (718GTS); 991T; Cayman GT4 (All); Carrera GT, 2020+ Carrera, Carrera S (992)

**Production Classes 180+ tread-wear:****Class P1:**

356, 912, 914, 924, 911 2.0-2.7, 914/6, 924S; 944; 944S,

**Class P2:** 1978-1983 911SC 3.0; 1984-1989 911 Carrera 3.2; 1986-1989 944 Turbo; 928 (All); 1989-1994 Carrera 2/Carrera 4/RS America (964); 1989-1991 944S2; 1992-1995 968; 1997-2004 Boxster 2.5/2.7 (986)

**Class P3:**

911 Turbo (1976-1989), 993; 2000-2004 Boxster S 3.2 (986); 2005-2012 Boxster/Cayman Base (987)

**Class P4:**

1999-2005 996; 2006-2012 Carrera non-S (997); 2005-2012 Boxster S, Cayman S (987S); 1992-1994 Turbo (965); 2012-2016 Boxster/Cayman Base (981)

**Class P5:**

2012-2016 Boxster/Cayman S (not GTS) (981), 2016-2019 Cayman/Boxster Base (718), 2006-2012 997S (not X51), 2012-2016 Carrera (base 991), 1996-1997 993 Turbo

**Class P6:** 2012-2019 991S, 2012-2016 981 GTS; 2011-2012, 2016 Boxster Spyder, Cayman R; 2016-2020 Boxster S/Cayman S (718S), 996 Turbo (all); 997S X51, 997GTS; 996 GT2/GT3 (2002- 2005)

**Class P7:** 2006-2019 GT2/GT3/GT3RS; 2006-2019 Turbo (997/991); 2012-2019 Carrera GTS (991); 2016-2020 GT4 (all), 2020 Boxster 4.0; Taycan, Carrera GT, 918

**Class P8:** Cayenne; Macan; Panamera

**Fun Class**

No rules. No classes. No PAX (handicap) times. No trophies. Just run for your time and have fun!

**Improved & Modified Classes:**

**Class I01:** Progressed Cars up to 3200cc (non-turbo), All Turbo cars under 2700cc

**Class I02:** Progressed Cars 3201cc and up. All Turbo/Supercharged 4 Cylinders over 2701cc; All Turbo/Supercharged 6 and 8 Cylinder and above.

**Class M01:** Progressed Cars up to 3200cc (Non-Turbo); All Turbo cars under 2700cc

**Class M02:** Progressed Cars over 3201cc. All Turbo/Supercharged 4 Cylinder over 2701cc; All Turbo/Supercharged 6 and 8 cylinder

## **Autocross Classing Rules (Long!)**

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

### **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 and older Porsches. 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 model's 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. 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 may be 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 may be 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.

A2.5.5.2. 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.(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-s way 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, ant 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 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. (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 356models 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 element. (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 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 owner's manual(s) is allowed.

A2.5.5.5. 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.

A2.5.6.1. 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 maybe 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) Cam shafts: 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.

A2.5.6.4. 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 10inches 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 8square 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 2inches 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. (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. (c)Limited Slip: Any differential may be used.

### **Modified Modifications.**

A 2.5.7 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 carburetor 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-2.5.7.4. Chassis/Body/Interior(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 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 allowed.

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