



# 2022 TECHNICAL REGULATIONS

❖ 911 GT2 RS Clubsport 991.2

Yokohama Drivers Cup USA

Sanctioned by

**COMPETENT**  
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## Sapphire Class 911 GT2 RS Clubsport (991.2)

**Class:** Sapphire **Description:** 911 GT2 RS Clubsport (991.2) (2019 – present)

**NOTE #1:** GT2 RS Clubsport defined by Porsche using FIA standards for safety components.

**NOTE#2** The Technical regulations for this vehicle are pending homologation. All current PMNA documents are supplements to the table below.

ITEM	DESCRIPTIPON
<b>Series Number (Typical)</b>	<ul style="list-style-type: none"> <li>• WP0ZZZ98ZGK299xxx (X= Variable Digit)</li> </ul>
<b>Engine Specification</b>	<ul style="list-style-type: none"> <li>• Engine: OE as delivered</li> <li>• Number and layout of cylinders/ 6-cylinder Boxer</li> <li>• Type of charging/ Turbocharged</li> <li>• Location of engine/ Rear Longitudinal</li> <li>• Type of cooling system/ Liquid</li> <li>• Bore/ 102 +0/ 0.1mm, Stroke/77.5 +0/ 0.1mm</li> <li>• Maximum compression ratio/ 9.0:1</li> <li>• Cylinder capacity/ 3,800 cm3</li> </ul>
<b>Intake System</b>	<ul style="list-style-type: none"> <li>• The original OE complete intake system must be used without modification.</li> <li>• The original OE, as delivered paper style air filter must be used. No aftermarket air filters are permitted.</li> <li>• Any faulty functioning of the intake plenum is the Competitors responsibility.</li> <li>• Other than fuel- for the normal combustion in the engine- internal spraying or injection of water or any substance is prohibited.</li> <li>• Only Distilled water is to be used in the Intercooler Sprayer System.</li> </ul>
<b>Engine Control Unit</b>	<ul style="list-style-type: none"> <li>• Only the OE Engine Control Unit (DME) and the OE programming are permitted. Tampering with or re-programing of the ECU is strictly prohibited.</li> <li>• Except where provided herein, additional components must not be installed between the ECU and the engine.</li> <li>• The wiring harness must remain OE.</li> <li>• ECU and Diagnostic ports may be sealed at any time during the event. Tampering with or breaking the seals is prohibited.</li> <li>• Only Series Officials or PMNA may break the seals, which must then be replaced by the Series Officials.</li> <li>• ECU's are subject to seizure and replacement at any time during the event.</li> <li>• Series Officials and PMNA may access and inspect the ECU programing at any time.</li> </ul>

	<ul style="list-style-type: none"> <li>The series or PMNA may request the ECU or ECU data at any time.</li> </ul>
<b>Gearbox Specification</b>	<ul style="list-style-type: none"> <li>Gearbox fitted as OE required.</li> <li>Radially nested multiple disc wet clutch fitted as OE without modification is required.</li> <li>CV joints and axle shafts fitted as OE are required.</li> <li>OE/ Seven-Speed Porsche Doppelkupplung (PDK) with optimized shift application</li> <li>Ratios: 1st 43x 11 2nd 48x 21 3rd 41x 26 4th 39x 33 5th 34x 36 6th 33x 42 7th 29x 43 Constant 50x 39</li> </ul>
<b>Differential Specification/ Final Drive</b>	<ul style="list-style-type: none"> <li>Mechanical Limited Slip differential fitted as OE is required. No modifications to the ramps or friction set arrangement are permitted.</li> <li>Location/ Integral with gearbox</li> <li>Final Drive Ratio/ 34x 11</li> </ul>
<b>Brake Package</b>	<ul style="list-style-type: none"> <li>The braking system (including calipers, discs, master cylinders and pads) must be OE parts. Master Cylinders must be maintained in their original front and rear hydraulic circuit position.</li> <li>Brake cooling/ The only method permitted for the cooling of the brake system components is the channeling of ambient air to components/ Only the OE as supplied by Porsche GT2 RS Clubsport brake ducts are permitted.</li> </ul>
<b>Brake Calipers Front</b>	<ul style="list-style-type: none"> <li>OE/ Porsche/ Aluminum Alloy/ 6 piston</li> </ul>
<b>Brake Calipers Rear</b>	<ul style="list-style-type: none"> <li>OE/ Porsche/ Aluminum Alloy/ 4 piston</li> </ul>
<b>Brake Discs Front</b>	<ul style="list-style-type: none"> <li>OE/ Porsche/ Steel</li> </ul>
<b>Brake Discs Rear</b>	<ul style="list-style-type: none"> <li>OE/Porsche/ Steel</li> </ul>
<b>Brake Pads Front</b>	<ul style="list-style-type: none"> <li>OE Porsche</li> </ul>
<b>Brake Pads Rear</b>	<ul style="list-style-type: none"> <li>OE Porsche</li> </ul>
<b>Brake Fluid</b>	<ul style="list-style-type: none"> <li>PFC RH665 Racing Brake Fluid is the only permitted brake fluid. <ul style="list-style-type: none"> <li>Part# 991.355.960.8A</li> </ul> </li> </ul>
<b>ABS/PSM</b>	<ul style="list-style-type: none"> <li>The original PSM hydraulic control unit and software must be Porsche OE with no modification</li> </ul>
<b>Wheel Size, Offset, Manufacture and Part #'s.</b>	<ul style="list-style-type: none"> <li><u>Front</u>: Light alloy/ one piece/ Central Locking design/ 10.5"x 18"/ 28mm Offset</li> <li><u>Rear</u>: Light alloy/ one piece/ Central Locking design/ 12.5"x 18"/ 46.6mm Offset</li> </ul>
<b>Minimum Weight</b>	<ul style="list-style-type: none"> <li>3,064 lbs. (Car Only – including radio/video and Driver comfort system)</li> <li>3,244 lbs. (Car and Driver combined)</li> </ul>

<b>Minimum Ride Heights and Measuring Location</b>	<ul style="list-style-type: none"> <li>• Front: <ul style="list-style-type: none"> <li>• 77 mm Minimum 911 GT2 RS Clubsport (graphic for location APPENDIX 5)</li> </ul> </li> <li>• Rear: <ul style="list-style-type: none"> <li>• 110 mm Minimum 911 GT2 RS Clubsport (graphic for location APPENDIX 5)</li> </ul> </li> <li>• Any form of driver-controlled ride height adjustment is not permitted</li> </ul>
<b>Damper Type</b>	<ul style="list-style-type: none"> <li>• Only OE/ KW Dampers in their original condition and mounting positions may be used. Changes to OE damper valving prohibited.</li> <li>• Front: 911 GT2 RS Clubsport / OE/ KW <ul style="list-style-type: none"> <li>• Part# 9F0412019A (LHS)</li> <li>• Part# 9F0412020A (RHS)</li> </ul> </li> <li>• Rear: 911 GT2 RS Clubsport / OE/ KW <ul style="list-style-type: none"> <li>• Part# 9F0512019A (LHS)</li> <li>• Part# 9F0512020A (RHS)</li> </ul> </li> </ul>
<b>Bump Stops/ Packers</b>	<ul style="list-style-type: none"> <li>• The bump stop/ packer arrangement/OE is to remain as delivered.</li> </ul>
<b>Anti-Roll Bar Type</b>	<ul style="list-style-type: none"> <li>• <u>911 GT2 RS Clubsport</u>: <ul style="list-style-type: none"> <li>• Front axle: Part# 9913431738A</li> <li>• Rear axle: Part# 9F0511023</li> </ul> </li> <li>• May be adjusted using only OE range of adjustment</li> <li>• May be disconnected/ with no parts removed</li> </ul>
<b>Main and Helper Springs</b>	<ul style="list-style-type: none"> <li>• Only the OE front and rear KW chassis springs in their original, intended location may be used.</li> <li>• The installation of any alternate chassis (main &amp; helper) springs is prohibited.</li> <li>• <u>911 GT2 RS Clubsport</u> <ul style="list-style-type: none"> <li>• Front: OE/ KW/ 200N/mm/ Part # 9F0411105</li> <li>• Front Opt.: OE/ KW/ 220N/mm/ Part# 9F0411105B</li> <li>• Rear: OE/ KW/ 280N/mm/ Part # 9F0511115</li> <li>• Rear Opt.: OE/ KW/ 300N/mm Part # 9F0511115B</li> </ul> </li> <li>• Helper Springs: <ul style="list-style-type: none"> <li>• Front and rear helper springs. OE/ as delivered</li> </ul> </li> </ul>
<b>Wheelbase</b>	<ul style="list-style-type: none"> <li>• 2467mm +-10mm</li> </ul>
<b>Overall Length</b>	<ul style="list-style-type: none"> <li>• 4700 mm +-10mm</li> </ul>
<b>Overall Width of Bodywork</b>	<ul style="list-style-type: none"> <li>• Front: 1838mm +-10mm</li> </ul>
<b>Aerodynamics Aids</b>	<ul style="list-style-type: none"> <li>• The use of tape or any material to cover the radiator openings is prohibited. Taping over of body slots and openings is not allowed.</li> <li>• The use of tape to cover any mechanical components or adjustments is prohibited.</li> <li>• All originally equipped underbody air guides, ducts and vanes must be installed.</li> </ul>
<b>Rear Wing</b>	<ul style="list-style-type: none"> <li>• OE wing and wing mounts must be used and may NOT be altered in any way from their OE configuration/ Nothing</li> </ul>

	<p>may be done to alter the position of the wing and wing mounts from the OE position.</p> <ul style="list-style-type: none"> <li>• OE wing and wing mounts may be changed within OE adjustment range/ No additional adjustments or mounting holes may be made.</li> </ul>
<b>Overhang</b>	<ul style="list-style-type: none"> <li>• Front: 1048 mm +-10mm Measured from the center of the Front axle to the leading edge of the front splitter along the vehicle centerline</li> <li>• Rear: 1192 mm +-10mm / Measured from the center of the Rear axle to the trailing edge of the rear wing along the vehicle centerline</li> </ul>
<b>Cambers</b>	<ul style="list-style-type: none"> <li>• Note: Cambers subject to Tire manufacturer's recommendation.</li> <li>• Front: 4.0 degrees</li> <li>• Rear: 3.5 degrees</li> </ul>
<b>Camber Spacers</b>	<ul style="list-style-type: none"> <li>• The maximum spacer washer thickness in the Front and Rear axle control arms. <ul style="list-style-type: none"> <li>• Front axle: 18mm</li> <li>• Rear axle: 15mm</li> </ul> </li> </ul>
<b>Suspension Type</b>	<ul style="list-style-type: none"> <li>• <u>Front</u>: Lightweight spring strut axle with wishbone and tie rod / Adjustable for height, camber, and toe / Electromechanical Power Steering.</li> <li>• <u>Rear</u>: Lightweight spring strut axle from the GT2 RS with modified wishbone / Adjustable for height, camber, and toe.</li> </ul>
<b>Dash/Data/Data Collection</b>	<ul style="list-style-type: none"> <li>• Must only use OE dash and data logging system as supplied with the vehicle.</li> <li>• (991.2) OE/ Cosworth ICD/ Data logger is required.</li> <li>• The CAN Gateway Interface from PMNA is required to be installed in the vehicle. Data loggers must pull data exclusively from the CAN Gateway Interface <ul style="list-style-type: none"> <li>• Part# 9F2907467</li> </ul> </li> </ul>
<b>Restrictions for Secondary Data/Dash Systems</b>	<ul style="list-style-type: none"> <li>• All vehicles must utilize stock OE dash and data logger systems as supplied with the vehicle.</li> <li>• No substitutions are permitted.</li> <li>• No additional displays are allowed on any GT2 CS Vehicles</li> </ul>
<b>Exhaust System</b>	<ul style="list-style-type: none"> <li>• The entire exhaust system must remain OE, including the tail pipes.</li> <li>• SRO Cat. Inserts are Permitted.</li> </ul>
<b>Water Radiator/ Oil Radiators</b>	<ul style="list-style-type: none"> <li>• Aluminum Alloy <ul style="list-style-type: none"> <li>• OE/ as delivered.</li> <li>• Must be OE, no modifications are permitted.</li> <li>• AC is now standard on all cars; removal is prohibited.</li> <li>• AC must be OE/ modifications prohibited.</li> <li>• Taping of the radiator or running blockers is not permitted.</li> </ul> </li> </ul>

<b>Fuel Tank</b>	<ul style="list-style-type: none"> <li>• Type (991.2) Only the OE 120L FT3 Fuel Cell permitted. Modifications of the cell or components are forbidden.</li> <li>• OE filler locking cap or OE Dry Break allowed.</li> </ul>
<b>Windscreen</b>	<ul style="list-style-type: none"> <li>• Type (991.2) OE See Technical Manual for Options</li> <li>• Cracked or Damaged windscreens must be approved by the Series Technical Director prior to use.</li> <li>• Any tear-off film applied to the windscreen must be clear with the sole purpose of protecting the windscreen.</li> <li>• Windscreen wiper in working order is compulsory.</li> </ul>
<b>Seats</b>	<ul style="list-style-type: none"> <li>• OE/ Recaro seat required.</li> <li>• Seat may be adjusted by removing or adding upholstery.</li> <li>• Only PMNA approved padding may be used. (Appendix #9 Tech Regs V15.10)</li> <li>• The original mounting /seat rail and bracket/ must be retained.</li> <li>• Any seat insert material or foam to driver's morphology must meet FIA standards.</li> </ul>
<b>Window Net</b>	<ul style="list-style-type: none"> <li>• Mandated use of OE/ Safecraft bullet release on Left side net.</li> <li>• Provision for left side window net are now integrated into the roll cage.</li> <li>• Installation of the net must be in contact with the head and attached slightly inboard at the rear. Net must be installed with some tension.</li> <li>• The Upper strap of the net must be at or above the center of gravity of the helmet of the Driver.</li> <li>• The net(s) must be dated by the manufacture and must be replaced per the manufacturer's specifications.</li> <li>• See Technical Manual for Specific mounting requirements</li> </ul>
<b>Center Nets</b>	<ul style="list-style-type: none"> <li>• Mandated use of OE/ Safecraft system FIA</li> </ul>
<b>Windows</b>	<ul style="list-style-type: none"> <li>• All window/ OE/ as delivered.</li> <li>• Rear windows may not be modified. Rear window must be retained with the original gasket mounting. Reflective, Darkened or Mirror window treatments are prohibited.</li> <li>• A NACA duct may be installed on the side window for driver cooling; see Technical Regulations section 11.2</li> </ul>