



2022 TECHNICAL REGULATIONS

❖ 911 GT3 R 991.1

Yokohama Drivers Cup USA

Sanctioned by

COMPETENT
MOTORSPORT

Competent Motorsport, LLC
895 Dove Street Suite 300
Newport Beach, CA 92660
Office (949) 851-4731

Diamond Class 911 GT3 R 991.1

Class: Diamond **Description:** GT3 R 991.1 (2016 – 2018)

NOTE #1: 911 GT3 Cup defined by Porsche using FIA standards for safety components.

NOTE #2: The most current PMNA technical manual and parts catalogue (as found in PMRSI) are considered an appendix to this rule book, unless otherwise stated. Part numbers and best practices that pertain to Class (991.1 GTR3 Cup) will be referenced as part of the Technical Inspection process. Competitors are encouraged to enroll in the PMRSI bulletin program by contacting PMNA

NOTE #3: FIA Homologation papers/ Porsche 911 GT3R (991.1) / Homologation Number: GT3-041

NOTE #4: FIA Homologation papers to be used to determine class legality.

ITEM	DESCRIPTIPON														
Series Number (Typical)	<ul style="list-style-type: none"> WP0ZZZ99Z#S199XXX (#= Variable Letter/ X= Variable Digit) 														
Engine Specification	<ul style="list-style-type: none"> MA185#R00XXX (#= Variable Letter/ X= Variable Digit) Engine to sealed by PMNA/ Porsche AG Number and layout of cylinders/ 6-cylinder Boxer Type of charging/ Normally Aspirated Location of engine/ Rear Longitudinal Type of cooling system/ Liquid Bore/ 102.015 +0/ 0.1mm, Stroke/ 81.5 +0/ 0.1mm Maximum compression ratio/ 14.5:1 Cylinder capacity/ 3996 cm3 														
Intake System	<ul style="list-style-type: none"> Material of manifolds/ Carbon fibre, Aluminum, Rubber Manifolds are to be sealed with no leakage Restrictors/ 2x 43mm 														
Gearbox Specification	<ul style="list-style-type: none"> Gearbox to be sealed by PMNA/ Porsche AG OE/Sequential/ Paddle Shift/ Electro-Pneumatic Ratios: <table border="0" style="margin-left: 20px;"> <tr><td>1st</td><td>13x 41</td></tr> <tr><td>2nd</td><td>17x 39</td></tr> <tr><td>3rd</td><td>20x 37</td></tr> <tr><td>4th</td><td>19x 29</td></tr> <tr><td>5th</td><td>24x 31</td></tr> <tr><td>6th</td><td>26x 29</td></tr> <tr><td>Constant</td><td>14x 22</td></tr> </table> Tampering with or breaking the affixed seals is prohibited. Only authorized PMNA technicians or Series officials may break seals, which must then be replaced by PMNA, Porsche AG or the Series 	1st	13x 41	2nd	17x 39	3rd	20x 37	4th	19x 29	5th	24x 31	6th	26x 29	Constant	14x 22
1st	13x 41														
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4th	19x 29														
5th	24x 31														
6th	26x 29														
Constant	14x 22														
Differential Specification/ Final Drive	<ul style="list-style-type: none"> Differential to be sealed by PMNA/ Porsche AG Typical Series Number/ G9173 Location/ Integral with gearbox Final Drive Ratio/ 17x 42 Type of Differential/ Limited Slip 														

	<ul style="list-style-type: none"> • Slip Limitation/ Mechanical (Plates/ Ramps) Number of Plates/ 6+ 6 • Angle of Ramps/ 65 Degree (Drive)/ 26 Degree (Coast)
Brake Package	<ul style="list-style-type: none"> • OEM/ Performance Friction Corporation/ Mandated
Brake Calipers Front	<ul style="list-style-type: none"> • PFC/ Aluminum Alloy/ 6 piston/ <ul style="list-style-type: none"> • Part # Left 991.351.427.XX • Part # Right 991.351.428.XX
Brake Calipers Rear	<ul style="list-style-type: none"> • PFC/ Aluminum Alloy/ 4 piston/ <ul style="list-style-type: none"> • Part # Left 991.352.427.XX • RA Right 991.352.428.XX
Brake Discs Front	<ul style="list-style-type: none"> • PFC/ Steel/ 380mm Diameter/ 34.5mm Thickness (new) <ul style="list-style-type: none"> • Part # Left 991.351.105.XX (LHS) • Part # Right 991.351.106.XX (RHS)
Brake Discs Rear	<ul style="list-style-type: none"> • PFC/ Steel/ 380mm Diameter/ 30mm Thickness <ul style="list-style-type: none"> • Part # Left 991.352.107.XX (LHS) • RA Right 991.352.108.XX (RHS)
Brake Pads Front	<ul style="list-style-type: none"> • PFC/ Part# <ul style="list-style-type: none"> • Sprint: 991.351.942.7B • Endurance: 9F2.615.117.A
Brake Pads Rear	<ul style="list-style-type: none"> • PFC/ Part# <ul style="list-style-type: none"> • Sprint: 991.342.942.7B • Endurance: 9F2.615.117
Brake Fluid	<ul style="list-style-type: none"> • PFC/ <ul style="list-style-type: none"> • 991.355.960.8A
ABS Number	<ul style="list-style-type: none"> • Make and Type/ Continental • Product number/ 10.0212-0104.4 • Typical series number/ 991.355.061.XX (X= Variable Digit) • Number of electro valves/ 12 (8 Active electro valves) • Software reference/ AN BCA00035 update AN BCA00040
Alternate ABS	<ul style="list-style-type: none"> • Make and Type/ BOSCH M4 • Product number/ F02V 487-XX (X= Variable Digit) • Typical series number/ 991.355.061.XX (X= Variable Digit) • Number of electro valves/ 8 • Software reference/ 1017
Wheel Size, Offset, Manufacture and Part #'s.	<ul style="list-style-type: none"> • Front: BBS/ Aluminum one piece/ 12"x 18"/ 17mm Offset/ Part# 991.362.131.XX • Rear: BBS/ Aluminum one piece/ 13"x 18"/ 37.5 Offset/ Part# 991.362.151.XX
Minimum Weight	<ul style="list-style-type: none"> • 2890 lbs. (Dry/ WITH Driver)
Minimum Ride Heights and Measuring Location	<ul style="list-style-type: none"> • Front: 54mm at the Front axle center line • Rear: 64mm at the Front axle center line
Damper Type	<ul style="list-style-type: none"> • Front: KW Automotive/ Hydraulic-Gas/ External Gas tank/ Part# 991.343.045.XX • Rear: KW Automotive/ Hydraulic-Gas/ External Gas tank/ Part# 991.333.051.XX

Anti-Roll Bar Type	<ul style="list-style-type: none"> • Front: Steel/ Diameter between bearings/ 30mm- 31mm- 30mm / Updated 20mm-30mm- 31mm • Rear: Steel/ Diameter between bearings/ 30mm- 312mm- 32mm • May be adjusted using only OE range of adjustment • May be disconnected/ with no parts removed
Main and Helper Springs	<ul style="list-style-type: none"> • Front: Coil/ Steel/ Open using Porsche OE springs only. <ul style="list-style-type: none"> • Main Coil Spring <ul style="list-style-type: none"> • 120-60-100, 991.343.531.7B • 120-60-120, 991.343.531.7C • 120-60-140, 991.343.531.7D • 120-60-160, 991.343.531.7E • 120-60-180, 991.343.531.7F • 120-60-200, 991.343.531.7H • 120-60-220, 991.343.531.7J • Rear: Coil/ Steel/ Open using Porsche OE springs only. <ul style="list-style-type: none"> • Main Coil Spring <ul style="list-style-type: none"> • 140-60-260, 991.333.531.7L • 140-60-280, 991.333.531.7K • 140-60-240, 991.333.531.7J • 140-60-180, 991.333.531.7H • 140-60-220, 991.333.531.7F • 140-60-200, 991.333.531.7E
Wheelbase	<ul style="list-style-type: none"> • 2458 +/-10mm
Track: Minimum/ Maximum	<ul style="list-style-type: none"> • Front: 1660mm/ 1720mm • Rear: 1635mm/ 1695mm
Overall Length	<ul style="list-style-type: none"> • 4604 +/-5mm (With Front Splitter)
Overall Width of Bodywork	<ul style="list-style-type: none"> • Front: 1975mm +/- 1% • Rear: 2002mm +/- 1%
Aero Package	<ul style="list-style-type: none"> • Reference Homologation papers/ FIA GT3-041
Rear Wing Set Back/	<ul style="list-style-type: none"> • Height from Roof line • Reference Homologation papers/ FIA GT3-041
Front Splitter	<ul style="list-style-type: none"> • Minimum Height from Ground/ 35mm • Longitudinal Position/ 100 +/-5mm (At the car centerline)
Side Deflectors (Dive Planes)	<ul style="list-style-type: none"> • 2x per side of Front Bumpers
Rear Diffuser	<ul style="list-style-type: none"> • Minimum Height from Ground/ 178mm (Trailing edge of diffuser plane at car centerline) • Longitudinal Position/ 0mm +/-5mm (From the rear bumper overhang point at the car centerline)
Overhang	<ul style="list-style-type: none"> • Overhang/ Measured at Rear axle center line • Front: 1106 +/-10mm (With Front Splitter) • Rear: 1040 +/-10mm
Cambers	<ul style="list-style-type: none"> • Note: Cambers subject to Tire manufacturer's recommendation • Front: -3.5 degrees (Suggested Maximum) • Rear: -3.0 degrees (Suggested Maximum)

Camber Spacers	<ul style="list-style-type: none"> • The maximum spacer washer thickness in the Front and Rear axle control arms. <ul style="list-style-type: none"> • Front axle: 18mm • Rear axle: 15mm
Suspension Type	<ul style="list-style-type: none"> • Front: McPherson Strut/ Coil Spring/ Shock Absorber/ Main & Helper Spring/ Bump Stop (on shock for bump/ in shock for rebound) / Rack and Pinion Steering • Rear: Multi- Link/ Coil Spring/ Main & Helper Spring/ Bump Stop (on shock for bump/ in shock for rebound)
Dash/Data/Data Collection	<ul style="list-style-type: none"> • Cosworth ICD config #32
Exhaust System Type	<ul style="list-style-type: none"> • Reference Homologation Papers / FIA GT3-041
Water Radiator	<ul style="list-style-type: none"> • Aluminum Alloy/ Part# 991.106.037XXX (X= Variable Digit)
Fuel Tank	<ul style="list-style-type: none"> • ATL/ FIA Homologation ATL-810-C/ Material FT3 • 120L Capacity
Windscreen	<ul style="list-style-type: none"> • Polycarbonate: 6mm Thick
Seats	<ul style="list-style-type: none"> • OE/ Recaro seat required • Seat may be adjusted by removing or adding upholstery • Only PMNA approved padding may be used. (See Appendix 9 Technical Regulations V15.10) • The original mounting /seat rail and bracket/ must be retained
Window Net	<ul style="list-style-type: none"> • Mandated use of OE/ Safecraft system/ Reference 991.2 GT3 Cup
Center Nets	<ul style="list-style-type: none"> • Mandated use of OE/ Safecraft system/ Reference 991.2 GT3Cup
Windows	<ul style="list-style-type: none"> • Front, Rear and Side windows must remain OE/ Damaged or cracked windshields must be approved by the Series Technical Director prior to track use. • A NACA duct may be installed on the side window for the purpose of cooling the driver. Maximum of 1 per side with 2 ducts permitted per car, Ducts must be translucent.