

Manufacturer's Certificate

911 (991)

52/25 ENU 4400

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Approved: Wheels and Tires (52/25)

Revision: This bulletin replaces bulletin Group 4 49/24, dated May 8, 2025.

Model Year: **As of 2014 up to 2016**

Vehicle Type: **911 GT3 (991) / 911 R (991) / 911 GT3 RS (991)**

Approval Status: November 2025



**WARNING**

**Driving with different tires (mixed tires)**

- **Uncontrollable vehicle handling**
- ⇒ **Only use tires of the same make and type, with the same speed index and the same specification code (N0, N1, N2, ...) on a vehicle.**



**WARNING**

**Driving with sports tires**

- **Aquaplaning on wet or muddy roads**
- ⇒ **Reduce speed.**
- ⇒ **Drive according to the road conditions.**

Summer Tires: The 911 GT3, 911 R and 911 GT3 RS vehicles are fitted as standard with sports tires that were developed specifically for motor sports.

(FA = front axle, RA = rear axle)

Model	Tire size	Tire make and type/ Label value (Link to EU database)
911 GT3, 911 R	FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 20 (103Y) XL	Michelin Pilot Sport Cup 2 N1 (Inside/Outside) UHP tires FA: <a href="https://eprel.ec.europa.eu/qr/411697">https://eprel.ec.europa.eu/qr/411697</a> RA: <a href="https://eprel.ec.europa.eu/qr/413161">https://eprel.ec.europa.eu/qr/413161</a>
		Michelin Pilot Sport 4S N0 (Inside/Outside)

Model	Tire size	Tire make and type/ Label value (Link to EU database)
		FA: <a href="https://eprel.ec.europa.eu/qr/411317">https://eprel.ec.europa.eu/qr/411317</a> RA: <a href="https://eprel.ec.europa.eu/qr/408604">https://eprel.ec.europa.eu/qr/408604</a> <b>only for 911 GT3</b>
		Dunlop Sport Maxx Race 2 N2 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/529754">https://eprel.ec.europa.eu/qr/529754</a> RA: <a href="https://eprel.ec.europa.eu/qr/529745">https://eprel.ec.europa.eu/qr/529745</a>
<b>911 GT3 RS</b>	FA: 265/35 ZR 20 (99Y) XL RA: 325/30 ZR 21 (108Y) XL	Michelin Pilot Sport Cup 2 N2 (Inside/Outside) UHP tires FA: <a href="https://eprel.ec.europa.eu/qr/411773">https://eprel.ec.europa.eu/qr/411773</a> RA: <a href="https://eprel.ec.europa.eu/qr/408335">https://eprel.ec.europa.eu/qr/408335</a>
		Dunlop Sport Maxx Race 2 N1 (Inside/Outside) UHP tires FA: <a href="https://eprel.ec.europa.eu/qr/529768">https://eprel.ec.europa.eu/qr/529768</a> RA: <a href="https://eprel.ec.europa.eu/qr/529767">https://eprel.ec.europa.eu/qr/529767</a>
		Michelin Pilot Sport Cup 2 R N0 (Inside/Outside) FA: <a href="https://eprel.ec.europa.eu/qr/411795">https://eprel.ec.europa.eu/qr/411795</a> RA: <a href="https://eprel.ec.europa.eu/qr/409802">https://eprel.ec.europa.eu/qr/409802</a>
		Goodyear Eagle F1 Super Sport RS N0 FA: <a href="https://eprel.ec.europa.eu/qr/1576159">https://eprel.ec.europa.eu/qr/1576159</a> RA: <a href="https://eprel.ec.europa.eu/qr/530039">https://eprel.ec.europa.eu/qr/530039</a>



### Information

Sports tires (**Ultra High Performance Tires**) are permitted on public roads and satisfy all legal requirements and road safety criteria.

These tires are also designed for use on racing circuits (driving safety training courses, sports driving schools, Clubsport events) and offer distinct advantages with regard to dry adhesion and wear-and-tear compared to normal road tires.

The main features are a reduced tread depth as well as a special thread design and substructure.

Winter Tires:

Model	Tire sizes	Tire make and type/ Label value (Link to EU database)
911 GT3, 911 R	FA: 245/35 R 20 91V M+S RA: 295/30 R 20 97V M+S	Michelin Pilot Alpin 4 N1 (Rotation) FA: <a href="https://eprel.ec.europa.eu/qr/412844">https://eprel.ec.europa.eu/qr/412844</a> RA: Data currently not available
		Pirelli Winter 240 Sottozero Series II N1 (rotation) FA: <a href="https://eprel.ec.europa.eu/qr/594297">https://eprel.ec.europa.eu/qr/594297</a> RA: <a href="https://eprel.ec.europa.eu/qr/594293">https://eprel.ec.europa.eu/qr/594293</a>
	FA: 245/35 R 20 91V M+S RA: 295/30 R 20 101V XL M+S only for 911 GT3	Michelin Pilot Alpin 4 N1 (rotation) FA: <a href="https://eprel.ec.europa.eu/qr/412844">https://eprel.ec.europa.eu/qr/412844</a> RA: <a href="https://eprel.ec.europa.eu/qr/411498">https://eprel.ec.europa.eu/qr/411498</a>
911 GT3 RS	FA: 245/35 R 20 91V M+S RA: 315/35 R 20 110V XL M+S	Michelin Pilot Alpin 4 N1 (rotation) FA: <a href="https://eprel.ec.europa.eu/qr/412844">https://eprel.ec.europa.eu/qr/412844</a> RA: <a href="https://eprel.ec.europa.eu/qr/409024">https://eprel.ec.europa.eu/qr/409024</a>



### Information

In principle, only tires that at least correspond to the maximum vehicle speed may be installed on the vehicle. There may be national exemptions for winter tires marked for M+S and 3PMSF (3 peak mountain snow flake), which also permit tires that do not correspond to the maximum vehicle speed.



### Information

"N..." = Specification code of the tire, e.g. "N0", "N1", "N2" ... The complete "N ..." code of the tires in question must be shown on the tire sidewall near the tire type designation.

Instructions for correct mounting of the tires are also given on the tire sidewall. If there are no mounting instructions on the tire sidewall, the tire must be mounted so that the DOT marking is visible from the outside.

- Arrow with inscription "Rotation" = Directional mounting
- "Inside/Outside" inscription or "Left" or "Right" = Mounting on specified side only

Arrow with both inscriptions "Rotation" and "Inside/Outside" = Directional mounting on specified side only

Arrow with both inscriptions "Rotation" and "Left" or "Right" = Directional mounting on specified side only



### Information

As a general rule, Porsche does not recommend having tires repaired. Local legislation must always be observed.

It is advisable to install winter tires for temperatures below 7 °C (44 °F), because the driving characteristics of summer tires and UHP tires are reduced at low temperatures. Subfreezing temperatures can cause permanent damage to summer tires and UHP tires.

When replacing a tire on an axle, make sure that the tread depth of the new tire does not differ from that of the other tire by more than 30%. If this value is exceeded, we recommend that you replace both tires.



### WARNING

#### Incorrect tire pressure

- **Uncontrollable vehicle handling**
- ⇒ **Adjust the tire pressure according to specifications. Never allow the pressure to fall below the minimum pressure.**
- ⇒ **Check age of tires. Recommendation: Replace tires that are more than 6 years old.**
- ⇒ **Perform visual inspections.**
- ⇒ **Use only tires approved by Porsche.**

Tire Pressure:



### Information

The tire pressure applies only to the tire makes and types approved by Porsche and is specified for cold tires (approx. 20 °C/ 68 °F). The tire pressure must not be lower than the specified values.

#### Standard tire pressure for summer tires

Wheel size	FA	RA
<b>911 GT3, 911 R</b>		
20-inch wheels	2.0 bar (29 psi)	2.3 bar (33 psi)
<b>911 GT3 RS</b>		
FA 20-inch wheels RA 21-inch wheels	2.0 bar (29 psi)	2.3 bar (33 psi)

**Standard tire pressure for winter tires**

Wheel size	FA	RA
<b>911 GT3, 911 R</b>		
20-inch wheels	2.2 bar (32 psi)	2.4 bar (35 psi)
<b>911 GT3 RS</b>		
20-inch wheels	2.3 bar (33 psi)	2.5 bar (36 psi)

Sizes:

**Permissible tire and wheel sizes**

(RO = rim offset in mm, FA = front axle, RA = rear axle)

Tires	Tire sizes	Wheel sizes	Snow chains
<b>911 GT3, 911 R</b>			
Summer	FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 20 (103Y) XL	FA: 9 J x 20, RO 55 RA: 12J x 20, RO 47	No
Winter	FA: 245/35 R 20 91V M+S RA: 295/30 R 20 97V M+S	FA: 9 J x 20, RO 51 RA: 11J x 20, RO 59	RA only
	FA: 245/35 R 20 91V M+S RA: 295/30 R 20 101XL V M+S only 911 GT3		
<b>911 GT3 RS</b>			
Summer	FA: 245/35 ZR 20 (95Y) XL RA: 325/30 ZR 21 (108Y) XL	FA: 9.5 J x 20 H2, RO 50 RA: 12.5 J x 21 H2, RO 48	No
	FA: 265/35 ZR 20 (99Y) XL RA: 325/30 ZR 21 (108Y) XL	FA: 9.5 J x 20 H2, RO 50 RA: 12.5 J x 21 H2, RO 48	No
Winter	FA: 245/35 R 20 91V M+S RA: 315/35 R 20 110V XL M+S	FA: 9 J x 20 H2, RO 55 RA: 12 J x 20 H2, RO 47	RA only



**Information**

Wheels:

**Overview of Porsche wheels for summer and winter tires**

Identification on the inside/outside of the wheel disc:

Wheel size, rim offset (RO) in mm, part number (FFF = color code) and Porsche logo

**20-inch "GT3" wheel with central lock**

FA: 9 J x 20 H2, RO 55

Part No. 991.362.162.82 FFF

RA: 12 J x 20 H2, RO 47

Part No. 991.362.168.83 FFF

or

FA: 9.5 J x 20 H2, RO 50

Part No.: 991.362.163.82 FFF

– only for summer tires

**21-inch "GT3" wheel with central lock**

RA: 12.5 J x 21 H2, RO 48

Part No. 991.362.189.82 FFF

– only for summer tires

**20-inch "Turbo Sport II" wheel with central lock**

FA: 9 J x 20 H2, RO 51

Part No. 991.362.162.34 FFF

RA: 11 J x 20 H2, RO 59

Part No. 991.362.166.34 FFF

– Only for winter tires





### Information

Improper handling can damage the wheel surface.  
 Carry out tire removal and mounting using a bead holding-down device only.  
 Use a leather pad on the rim flange to support the valve insertion tool.  
 Only use the Porsche centring clamping set for balancing.  
 Do not use hard brushes to clean the wheels as these can cause deep scratches that cannot be removed by polishing.  
 Never use solvents or other chemical substances not approved by Porsche on tires.

Wheel Mounting: using central wheel lock:  
**Tightening torque 600 Nm (442.5 ftlb.)**



### WARNING

#### Incorrectly installed snow chains

- **Uncontrollable vehicle handling**
- ⇒ **Do not exceed top speed of 50 km/h (30 mph).**
- ⇒ **Read assembly instructions (see also TEQUIPMENT accessory finder on the Internet).**
- ⇒ **Observe country-specific regulations.**

Snow Chains: Porsche offers the following snow chains as accessories:

Tire size	Porsche Part no.	Type of snow chain
<b>911 GT3, 911 R</b>		
295/30 R 20 M+S	991.044.600.00	Link-type chain, quick fit
<b>911 GT3 RS</b>		
315/35 R 20 M+S	991.044.601.00	Link-type chain, quick fit

- Wheel Storage:
- Tires must be stored in a cool, dry and dark room with adequate ventilation.
  - Tires must never come into contact with fuel, oil, grease or chemicals.
  - Do not store summer tires in storage areas with ambient temperatures of less than 5° F (-15° C).
  - Complete wheel & tire assemblies can be stacked for storage; we recommend that you increase the tire pressure by approximately 6 psi (0.4 bar).
  - Optimum conditions for storage of the complete wheels are provided by the Original Porsche storage trolley, Part No. 000.044.000.38.
  - If the tires are not mounted on wheels, it is best to store them in a vertical position.
  - We recommend that you turn tires stored in this position every two weeks in order to prevent flat spots.
  - Tires that are stacked in a horizontal position will become severely deformed and cannot be seated properly in the rim flange when they are mounted.

General  
Information:

- Always use new valves when changing tires.
- Always observe any possible instructions concerning the rolling direction and/or specifying which side the tires must be mounted on.
- Coat the tire beads and humps with mounting lubricant before mounting the tire. This ensures that the tire beads will slide over the humps easily.
- In order to prevent the tire from turning on the wheel, avoid extreme driving maneuvers (acceleration and braking) during the first 100 to 200 miles with new or recently mounted tires.
- In order to optimize smoothness of rolling, it is appropriate - and necessary in individual cases - to mount the tire in a certain (favorable) position with respect to the wheel (matching).

**Matching (uncontrolled and controlled) is explained below: Uncontrolled matching:**

- Turning the tire on the wheel by 90° or 120° if necessary in order to achieve an acceptable value with regard to rolling smoothness (true running, imbalance and weight distribution of balance weights).

**Controlled matching:**

- With a balancing machine with matching program. In most cases, this produces an even better result with regard to the rolling smoothness (true running, imbalance and weight distribution of the balance weights) than can be achieved with uncontrolled matching.
- Maximum permissible radial runout and lateral runout of the wheels < 0.7 mm. Maximum permissible radial runout and lateral runout of the wheels with tires < 1.25 mm. Values < 1.50 mm - ideally approx. 0.5 mm - are desirable.
- The mounting pressure (seating pressure) of 58 psi/4.0 bar overpressure must not be exceeded before both tire beads are evenly seated on the rim flange.

**New Tires (Replacements):**

- If new tires are to be mounted or the tires of one axle are to be replaced, tires of the same make, type and with the same specification code must always be used on each of the two axles.
- If tires are replaced on one axle only, the different tread depth from that on the other axle can cause a noticeable change in the familiar handling.
- This is especially the case if new tires are mounted on the rear axle.
- This effect decreases with increasing tire mileage.

When replacing a tire on an axle, make sure that the tread depth of the new tire does not differ from that of the other tire on the same axle by more than 30 %.

Refer to WM 449503 for specific details of the vehicle you are working on.

- >The 2mm specification will be given here.
- > If there is none listed then the default is 30%.

**Repairs to Tires:**

- If a tire is damaged and it cannot be determined with absolute certainty that there is no ply damage - with all of its consequences - or if the tire was thermally or mechanically overloaded due to a loss of pressure or other prior damage, we recommend replacement of the tire in question for safety reasons.
- Repairs to "V", "W", "Y", and "ZR" tires are not permissible, as is the use of inner tubes in tubeless tires.

**Tire Aging:**

- Tires age due to chemical and physical processes, which can impair their function.
- Tires that are stored unused for an extended period harden and become brittle faster than tires that are in continual use.
- Hairline aging cracks can occur on older tires.
- On tires in continual use, the kneading action activates the plasticizer in the rubber and thereby prevents hardening and cracking.
- Therefore, attention should be paid not only to the tread depth but also to the age of the tire.
- Tires should not be older than 6 years.
- The age of the tire can be determined via the DOT code on the sidewall, which indicates the production date of the tire: e.g. DOT 2201= 22nd week of 2001.

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