

Manufacturer's Certificate

911 (992)

19/24 ENU 4400

4

Approved: Wheels and Tires (19/24)

Revision: This bulletin replaces bulletin Group 4 27/23, dated October 10, 2023.

Vehicle Type: **Type 992 (Coupé / Cabriolet): 911 Carrera / 911 Carrera 4 / 911 Carrera S / 911 Carrera 4S / 911 Carrera GTS / 911 Carrera 4 GTS / 911 Turbo / 911 Turbo S / 911 Targa 4 / 911 Targa 4S / 911 Targa 4 GTS / 911 Targa 4 GTS 50 Years of Porsche Design / 911 Sport Classic / 911 Carrera T / 911 Dakar**

Model Year: **As of 2020**

Cause: Approval status: May 2024

Sizes: **Permissible summer tires and wheel sizes
(RO = rim offset in mm, FA = front axle, RA = rear axle)**

Tire sizes	Wheel sizes	Snow chains
911 Carrera / 911 Carrera 4 / 911 Targa 4		
Summer		
19-/20 inch FA: 235/40 ZR 19 (96Y) XL RA: 295/35 ZR 20 (105Y) XL	FA: 8,5J x 19, RO 52 RA: 11.5J x 20, RO 67	No
19-/20 inch FA: 235/40 ZR 19 (92Y) RA: 295/35 ZR 20 (101Y)		
20-/21 inch FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 21 (104Y) XL	FA: 8,5J x 20, RO 53 RA: 11.5J x 21, RO 67	
20-/21 inch FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)		
Winter		
19-/20 inch FA: 235/40 R 19 92V RA: 295/35 R 20 101V)	FA: 8,5J x 19, RO 52 RA: 11J x 20, RO 66	RA only
19-/20 inch FA: 235/40 R 19 96V XL RA: 295/35 R 20 105V XL)		

20-/21 inch FA: 245/35 R 20 95V XL RA: 295/30 R 21 102V XL	FA: 8,5J x 20, RO 53 RA: 11J x 21, RO 66	
Tire sizes	Wheel sizes	Snow chains
911 Carrera S / 911 Carrera 4S / Carrera GTS / Carrera 4 GTS / 911 Targa 4S / Targa 4 GTS / Targa 4 GTS 50 Years of Porsche Design / Carrera T		
Summer		
20-/21 inch FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 21 (104Y) XL	FA: 8,5J x 20, RO 53 RA: 11.5J x 21, RO 67	No
20-/21 inch FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)		
20-/21 inch FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 21 (104Y) XL	FA: 8,5J x 20, RO 50 RA: 11.5J x 21, RO 67	No
20-/21 inch FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)		
Winter		
19-/20 inch Not for GTS FA: 235/40 R 19 92V RA: 295/35 R 20 101V)	FA: 8,5J x 19, RO 52 RA: 11J x 20, RO 66	RA only
19-/20 inch Not for GTS FA: 235/40 R 19 96V XL RA: 295/35 R 20 105V XL)		
20-/21 inch FA: 245/35 R 20 95V XL RA: 295/30 R 21 102V XL	FA: 8,5J x 20, RO 50 RA: 11J x 21, RO 66	

Tire sizes	Wheel sizes	Snow chains
911 Turbo / 911 Turbo S / 911 Sport Classic		
Summer		
Tire sizes	Wheel sizes	Snow chains
20-/21 inch FA: 255/35 ZR 20 (97Y) XL RA: 315/30 ZR 21 (105Y) XL	FA: 9J x 20, RO 41 RA: 11.5J x 21, RO 67 Not for 911 Sport Classic	No
20-/21 inch FA: 255/35 ZR 20 (93Y) RA: 315/30 ZR 21 (105Y) XL		
20-/21 inch FA: 255/35 ZR 20 (97Y) XL RA: 315/30 ZR 21 (105Y) XL	FA: 9.5J x 20, RO 44 RA: 12J x 21, RO 70	No
20-/21 inch FA: 255/35 ZR 20 (93Y) RA: 315/30 ZR 21 (105Y) XL		
Winter		
20-/21 inch FA: 245/35 R 20 95V XL RA: 305/30 R 21 104V XL	FA: 8.5J x 20, RO 40 RA: 11J x 21, RO 66	RA only

Tire sizes	Wheel sizes	Snow chains
911 Dakar		
Summer		
19-/20 inch FA: 245/45 ZR 19 102Y XL RA: 295/40 ZR 20 110Y XL	FA: 8.0J x 19 RO38 RA: 11.5J x 20, RO 63	No
Winter		
19-/20 inch FA: 245/45 R 19 102V XL RA: 295/40 R 20 110V XL	FA: 8.0J x 19, RO 38 RA: 11.5J x 20, RO 68	RA only
All-terrain		
19-/20 inch FA: 245/45 R 19 102V XL RA: 295/40 R 20 110V XL	FA: 8.0J x 19, RO 38 RA: 11.5J x 20, RO 68	RA only

*) Not for vehicles with Porsche Ceramic Composite Brake (PCCB).

Wheels:

Overview of Porsche wheels for summer and winter tires

Identification on the inside of the wheel:

Wheel size, rim offset (RO) in mm, part number (without color code marking FFF) and Porsche logo

19/20-inch "Carrera 7" wheel

FA: 8,5J x 19, RO 52 (summer, winter)

Part No. 992.601.025_FFF

RA: 11.5J x 20, RO 67 (summer)

Part No. 992.601.025.A_FFF

RA: 11J x 20, RO 66 (winter)

Part No. 992.601.025.B_FFF

*Carrera 7***19/20-inch "992 Safari" wheel**

FA: 8J x 19, RO 38 (summer, winter, all-terrain)

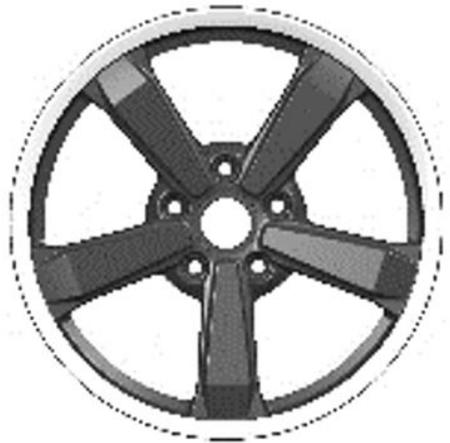
Part No. 992.601.025.EP_FFF

RA: 11.5J x 20, RO 63 (summer)

Part No. 992.601.025.EQ_FFF

RA: 11.5J x 20, RO 68 (winter, all-terrain)

Part No. 992.601.025.BH_FFF

*Safari*

20/21-inch "Carrera S5" wheel

FA: 8.5J x 20, RO 53 (summer, winter)

Part No. 992.601.025.C_FFF

or

Part No. 992.601.029.K_FFF (summer)

RA: 11.5J x 21, RO 67 (summer)

Part No. 992.601.025.D_FFF

or

Part No. 992.601.029.L_FFF

RA: 11J x 21, RO 66 (winter)

Part No. 992.601.025.E_FFF



Carrera S5

20/21-inch "RS Spyder Design 2" wheel

FA: 8.5J x 20, RO 50 (summer)

Part No. 992.601.025.EG_FFF

RA: 11.5J x 21, RO 67 (summer)

Part No. 992.601.025.G_FFF



RS Spyder Design 2

20/21-inch "Carrera Classic 3" wheel

FA: 8.5J x 20, RO 50 (summer)

Part No. 992.601.025.BC_FFF

or

Part No. 992.601.029.H_FFF

RA: 11.5J x 21, RO 67 (summer)

Part No. 992.601.025.J_FFF

or

Part No. 992.601.029.J_FFF



Carrera Classic 3

20/21-inch "Carrera Exclusive Design" wheel

FA: 8.5J x 20, RO 50 (summer)
Part No. 992.601.025.BE_FFF

RA: 11.5J x 21, RO 67 (summer)
Part No. 992.601.025.L_FFF

*Carrera Exclusive Design***20/21-inch "Turbo S 4" wheel**

FA: 9J x 20, RO 41 (summer)
Part No. 992.601.025.AS_FFF

RA: 11.5J x 21, RO 67 (summer)
Part No. 992.601.025.AA_FFF

FA: 8.5J x 20, RO 50 (summer, winter)
Part No. 992.601.025.AT

FA: 8.5J x 20, RO 40 (winter)
Part No. 992.601.025.AB_FFF

RA: 11J x 21, RO 66 (summer)
Part No. 992.601.025.AC

*Turbo S 4***20/21-inch "Turbo Exclusive Design" wheel**

FA: 9.5J x 20, RO 44 (summer)
Part No. 992.601.025.AE_FFF

RA: 12J x 21, RO 70 (summer)
Part No. 992.601.025.AJ_FFF

*Turbo Exclusive Design*

20/21-inch "Turbo S Exclusive Design" wheel

FA: 9.5J x 20, RO 44 (summer)
Part No. 992.601.025.AF_FFF

RA: 12J x 21, RO 70
Part No. 992.601.025.AG_FFF



Turbo S Exclusive Design

20/21-inch "Sport Classic II" wheel

FA: 9.5J x 20, RO 44 (summer)
Part No. 992.601.025.AP_FFF

FA: 12J x 21, RO 70 (summer)
Part No. 992.601.025.DQ_FFF



Sport-Classical II

20/21-inch "Turbo 5" wheel

FA: 9J x 20, RO 41 (summer, TOP BASIC)

Part No. 992.601.025.AR_FFF

or

FA: 8.5J x 20, RO 50 (summer, C2, C4)

Part No. 992.601.025.BD_FFF

RA: 11.5J x 21, RO 67 (summer)

Part No. 992.601.025.N_FFF

FA: 8.5J x 20, RO 40 (winter, TOP BASIC)

Part No. 992.601.025.P_FFF

RA: 11J x 21, RO 66 (winter, TOP BASIC)

Part No. 992.601.025.Q_FFF



Turbo 5

20/21-inch - Wheel "OM-2"

FA: 8.5J x 20, ET 50 (summer)

Part No. 992.044.610_FFF

RA: 11.5J x 21, RO 67 (summer)

Part No. 992.044.611_FFF



OM-2

**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.

**Information**

Only install wheels with identical part numbers on each axle.

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Wheel using wheel bolts:
 Mounting: **Tightening torque 160 Nm (118 ftlb.)**
 using central wheel lock:
Tightening torque 600 Nm (442.5 ftlb.)

Summer Tires:

Tire size	Tire make and type / Label value (link to EU database)
911 Carrera / 911 Carrera 4 / 911 Targa 4	
FA: 235/40 ZR 19 (96Y) XL RA: 295/35 ZR 20 (105Y) XL	Michelin PilotSport 4S NAO FA: https://eprel.ec.europa.eu/qr/413170 RA: https://eprel.ec.europa.eu/qr/410061
FA: 235/40 ZR 19 (92Y) RA: 295/35 ZR 20 (101Y)	Pirelli P Zero NAO FA: https://eprel.ec.europa.eu/qr/595483 RA: https://eprel.ec.europa.eu/qr/595482
FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 21 (104Y) XL	Goodyear Eagle F1 Asymmetric3 NAO FA: https://eprel.ec.europa.eu/qr/529783 RA: https://eprel.ec.europa.eu/qr/529788
	Michelin PilotSport 4S NAO FA: https://eprel.ec.europa.eu/qr/409939 RA: https://eprel.ec.europa.eu/qr/411576
FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)	Pirelli P Zero NA1 FA: https://eprel.ec.europa.eu/qr/596523 RA: https://eprel.ec.europa.eu/qr/596522
911 Carrera S / 911 Carrera 4S / Carrera GTS / Carrera 4 GTS / 911 Targa 4S / Targa 4 GTS / Targa 4 GTS 50 Years of Porsche Design / 911 Carrera T	
FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 21 (104Y) XL	Goodyear Eagle F1 Asymmetric3 NAO FA: https://eprel.ec.europa.eu/qr/529783 RA: https://eprel.ec.europa.eu/qr/529788
	Michelin PilotSport 4S NAO FA: https://eprel.ec.europa.eu/qr/409939 RA: https://eprel.ec.europa.eu/qr/411576

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Tire size	Tire make and type / Label value (link to EU database)
911 Carrera / 911 Carrera 4 / 911 Targa 4	
FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)	Pirelli P Zero NA1 FA: https://eprel.ec.europa.eu/qr/596523 RA: https://eprel.ec.europa.eu/qr/596522
911 Turbo / 911 Turbo S / 911 Sport Classic	
FA: 255/35 ZR 20 (97Y) XL RA: 315/30 ZR 21 (105Y) XL	Goodyear Eagle F1 Super Sport NAO FA: https://eprel.ec.europa.eu/qr/530034 RA: https://eprel.ec.europa.eu/qr/530033
FA: 255/35 ZR 20 (93Y) RA: 315/30 ZR 21 (105Y) XL	Pirelli P Zero NA1 FA: https://eprel.ec.europa.eu/qr/596542 RA: https://eprel.ec.europa.eu/qr/596543
911 Dakar	
FA: 245/45 ZR 19 102Y XL RA: 295/40 ZR 20 110Y XL	Pirelli P Zero NAO FA: https://eprel.ec.europa.eu/qr/596950 RA: https://eprel.ec.europa.eu/qr/596953

Winter tires:

Tire size	Tire make and type / Label value (link to EU database)
911 Carrera / 911 Carrera 4 / 911 Targa 4	
FA: 235/40 R 19 92V RA: 295/35 R 20 101V)	Pirelli P Zero Winter NAO FA: https://eprel.ec.europa.eu/qr/595748 RA: https://eprel.ec.europa.eu/qr/595749
FA: 235/40 R 19 96V XL RA: 295/35 R 20 105V XL)	Continental Wintercontact TS 860 S NAO FA: https://eprel.ec.europa.eu/qr/479552 RA: https://eprel.ec.europa.eu/qr/479553

Tire size	Tire make and type / Label value (link to EU database)
FA: 245/35 R 20 95V XL RA: 295/30 R 21 102V XL *)	Continental Wintercontact TS 860 S NAO FA: https://eprel.ec.europa.eu/qr/479365 RA: https://eprel.ec.europa.eu/qr/479508
	Michelin Pilot Alpin 5 NAO FA: https://eprel.ec.europa.eu/qr/409016 RA: https://eprel.ec.europa.eu/qr/410247
911 Carrera S / 911 Carrera 4S / Carrera GTS / Carrera 4 GTS / 911 Targa 4S / Targa 4 GTS / Targa 4 GTS 50 Years of Porsche Design	
FA: 235/40 R 19 92V RA: 295/35 R 20 101V Not for GTS *)	Pirelli P Zero Winter NAO FA: https://eprel.ec.europa.eu/qr/595748 RA: https://eprel.ec.europa.eu/qr/595749
FA: 235/40 R 19 96V XL RA: 295/35 R 20 105V XL Not for GTS *)	Continental Wintercontact TS 860 S NAO FA: https://eprel.ec.europa.eu/qr/479552 RA: https://eprel.ec.europa.eu/qr/479553
FA: 245/35 R 20 95V XL RA: 295/30 R 21 102V XL *)	Continental Wintercontact TS 860 S NAO FA: https://eprel.ec.europa.eu/qr/479365 RA: https://eprel.ec.europa.eu/qr/479508
	Michelin Pilot Alpin 5 NAO FA: https://eprel.ec.europa.eu/qr/409016 RA: https://eprel.ec.europa.eu/qr/410247
911 Turbo / 911 Turbo S / 911 Sport Classic	
FA: 245/35 R 20 95V XL RA: 305/30 R 21 104V XL	Goodyear Ultragrip Performance Gen-1 NAO FA: https://eprel.ec.europa.eu/qr/529789 RA: https://eprel.ec.europa.eu/qr/530031
	Michelin Pilot Alpin 5 NA5 FA: https://eprel.ec.europa.eu/qr/411084 RA: https://eprel.ec.europa.eu/qr/410097

Tire size	Tire make and type / Label value (link to EU database)
911 Dakar	
FA: 245/45 R 19 102V XL RA: 295/40 R 20 110V XL	Pirelli P Zero Winter NAO FA: EPREL link currently not available RA: EPREL link currently not available

*) Not for vehicles with Porsche Ceramic Composite Brake (PCCB).

All-Terrain Tires:

Tire size	Tire make and type / Label value (link to EU database)
911 Dakar	
FA: 245/45 R 19 102V XL RA: 295/40 R 20 110V XL	Pirelli Scorpion All Terrain Plus NAO FA: https://eprel.ec.europa.eu/qr/596951 RA: https://eprel.ec.europa.eu/qr/596952

Arrow with inscription "Rotation"

= directional mounting

"Inside/Outside" inscription

= mounting on specified side only

Arrow with both inscriptions "Rotation" and
"Inside/Outside"

= directional mounting on specified side only.



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. "NA0", "NA1", "NA2" ... The complete "N ..." code of the relevant tire makes must be shown on the tire sidewall near the 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.



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, 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.



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 (NAO, NA1, NA2, etc.) on a vehicle.

Tire pressure:



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.



Driving at high speed with low tire pressure

- Irreparable damage to tires
- ⇒ Set comfort and performance air pressure for tires only on vehicles with "Comfort pressure" and "Performance pressure" selected in the instrument cluster.



Information

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

Standard tire pressure for summer tires

Standard tire pressure for summer tires						
911 Carrera / 911 Carrera 4 / 911 Targa 4						
Tire size	Wheel size	Axle	Part load	Full load	Part load, comfort air pressure up to 270 km/h (165 mph)	Full load, comfort air pressure up to 270 km/h (165 mph)
235/40 ZR 19	8.5 x 19	FA	2.2 bar 31 psi	2.4 bar 35 psi	2.0 bar 29 psi	2.3 bar 33 psi
295/35 ZR 20	11.5J x 20	RA	2.5 bar 36 psi	3.0 bar 44 psi	2.2 bar 31 psi	2.6 bar 37 psi
245/35 ZR 20	8.5J x 20	FA	2.3 bar 33 psi	2.5 bar 36 psi	2.0 bar 29 psi	2.3 bar 33 psi
305/30 ZR 21	11.5J x 21	RA	2.6 bar 37 psi	3.1 bar 45 psi	2.2 bar 31 psi	2.6 bar 37 psi

Standard tire pressure for summer tires						
911 Carrera S / 911 Carrera 4S / 911 Carrera GTS / 911 Carrera 4 GTS						
1) except Cabriolet sports chassis						
2) except Coupé with Aerokit						
3) except Carrera S Coupé and Carrera 4S Coupé with sports chassis and without sunroof						
Tire size	Wheel size	Axle	Part load	Full load	Part load, comfort air pressure up to 270 km/h (165 mph)	Full load, comfort air pressure up to 270 km/h (165 mph)
245/35 ZR 20	8.5J x 20	FA	2.3 bar 33 psi	2.5 bar 36 psi	2.0 bar 29 psi	2.3 bar 33 psi
305/30 ZR 21	11.5J x 21	RA	2.6 bar 37 psi	3.1 bar 45 psi	2.2 bar 31 psi	2.6 bar 37 psi

Standard tire pressure for summer tires						
911 Targa S / 911 Targa 4 GTS / Targa 4 GTS 50 years of Porsche Design and						
1) 992 Carrera S / Carrera 4S Cabriolet with sports chassis and sports aerodynamics						
2) and Coupé with Aerokit						
3) and 992 Carrera S / Carrera 4S Coupé with sports chassis and sports aerodynamics and without sunroof						
Tire size	Wheel size	Axle	Part load	Full load	Part load, comfort air pressure up to 270 km/h (165 mph)	Full load, comfort air pressure up to 270 km/h (165 mph)
245/35 ZR 20	8.5J x 20	FA	2.3 bar 33 psi	2.6 bar 37 psi	2.0 bar 29 psi	2.3 bar 33 psi
305/30 ZR 21	11.5J x 21	RA	2.7 bar 39 psi	3.2 bar 46 psi	2.2 bar 31 psi	2.6 bar 37 psi

Standard tire pressure for summer tires						
911 Turbo / 911 Turbo S						
Tire size	Wheel size	Axle	Part load	Full load	Part load, comfort air pressure up to 270 km/h (165 mph)	Full load, comfort air pressure up to 270 km/h (165 mph)
255/35 ZR 20	9/9.5J x 20	FA	2.4 bar 35 psi	2.6 bar 37 psi	2.1 bar 30 psi	2.3 bar 33 psi
315/30 ZR 21	11.5/12J x 21	RA	2.9 bar 42 psi	3.3 bar 48 psi	2.4 bar 35 psi	2.7 bar 39 psi

Standard tire pressure for summer tires						
911 Sport Classic						
Tire size	Wheel size	Axle	Part load	Full load	Part load, comfort air pressure up to 270 km/h (165 mph)	Full load, comfort air pressure up to 270 km/h (165 mph)

255/35 ZR 20	9/9.5J x 20	FA	2.1 bar 30 psi	2.3 bar 33 psi	2.0 bar 29 psi	2.1 bar 30 psi
315/30 ZR 21	11.5/12J x 21	RA	2.4 bar 35 psi	2.8 bar 41 psi	2.2 bar 31 psi	2.3 bar 33 psi

Standard tire pressure for summer tires

911 Carrera T

Tire size	Wheel size	Axle	Part load	Full load	Part load, comfort air pressure up to 270 km/h (165 mph)	Full load, comfort air pressure up to 270 km/h (165 mph)
245/35 ZR 20	8.5J x 20	FA	2.3 bar 33 psi	2.5 bar 36 psi	2.0 bar 29 psi	2.3 bar 33 psi
305/30 ZR 21	11.5J x 21	RA	2.6 bar 37 psi	3.1 bar 45 psi	2.2 bar 31 psi	2.6 bar 37 psi

Standard tire pressure for summer tires

911 Dakar

Vmax = 240 km/h (149 mph)

Tire size	Wheel size	Axle	Part load	Full load
245/45 ZR 19	8.0J x 19	FA	2.0 bar 29 psi	2.0 bar 29 psi
295/40 ZR 20	11.5J x 20	RA	2.2 bar 31 psi	2.2 bar 31 psi

Standard tire pressure for winter tires

Standard tire pressure for winter tires

911 Carrera / 911 Carrera 4 / 911 Targa 4

Tire size	Wheel size	Axle	Part load	Full load
235/40 R 19	8.5J x 19	FA	2.2 bar 31 psi	2.2 bar 31 psi

295/35 R 20	11J x 20	RA	2.2 bar 31 psi	2.5 bar 36 psi
245/35 R 20	8.5J x 20	FA	2.2 bar 31 psi	2.5 bar 36 psi
295/30 R 21	11J x 21	RA	2.4 bar 35 psi	2.9 bar 42 psi

<p>Standard tire pressure for winter tires</p> <p>911 Carrera S / 911 Carrera 4S / 911 Carrera GTS / 911 Carrera 4 GTS</p> <p>1) except Cabriolet sports chassis 2) except Coupé with Aerokit 3) except Carrera S Coupé and Carrera 4S Coupé with sports chassis and without sunroof 4) 19/20-inch winter tires not for GTS</p>				
Tire size	Wheel size	Axle	Part load	Full load
235/40 R 19	8.5J x 19	FA	2.2 bar 31 psi	2.2 bar 31 psi
295/35 R 20	11J x 20	RA	2.2 bar 31 psi	2.5 bar 36 psi
245/35 R 20	8.5J x 20	FA	2.2 bar 31 psi	2.5 bar 36 psi
295/30 R 21	11J x 21	RA	2.4 bar 35 psi	2.9 bar 42 psi

<p>Standard tire pressure for winter tires</p> <p>911 Targa S / 911 Targa 4 GTS / Targa 4 GTS 50 years of Porsche Design and</p> <p>1) 992 Carrera S / Carrera 4S Cabriolet with sports chassis and sports aerodynamics 2) and Coupé with Aerokit 3) and 992 Carrera S / Carrera 4S Coupé with sports chassis and sports aerodynamics and without sunroof 4) 19/20-inch winter tires not for GTS</p>				
Tire size	Wheel size	Axle	Part load	Full load
235/40 R 19	8.5J x 19	FA	2.2 bar 31 psi	2.3 bar 33 psi
295/35 R 20	11J x 20	RA	2.2 bar 31 psi	2.6 bar 37 psi

245/35 R 20	8.5J x 20	FA	2.2 bar 31 psi	2.5 bar 36 psi
295/30 R 21	11J x 21	RA	2.5 bar 36 psi	2.9 bar 42 psi

Standard tire pressure for winter tires				
911 Turbo / 911 Turbo S				
Tire size	Wheel size	Axle	Part load	Full load
245/35 R 20	8.5J x 20	FA	2.2 bar 31 psi	2.5 bar 36 psi
305/30 R 21	11J x 21	RA	2.6 bar 37 psi	3.0 bar 44 psi

Standard tire pressure for winter tires				
911 Sport Classic				
Tire size	Wheel size	Axle	Part load	Full load
245/35 R 20	8.5J x 20	FA	2.2 bar 31 psi	2.3 bar 33 psi
305/30 R 21	11J x 21	RA	2.2 bar 31 psi	2.6 bar 37 psi

Standard tire pressure for winter tires				
911 Carrera T				
Tire size	Wheel size	Axle	Part load	Full load
235/40 R 19	8.5J x 19	FA	2.2 bar 31 psi	2.2 bar 31 psi
295/35 R 20	11J x 20	RA	2.2 bar 31 psi	2.5 bar 36 psi
245/35 R 20	8.5J x 20	FA	2.2 bar 31 psi	2.5 bar 36 psi
295/30 R 21	11J x 21	RA	2.4 bar 35 psi	2.9 bar 42 psi

Standard tire pressure for winter tires				
911 Dakar				
Vmax = 240 km/h (149 mph)				
Tire size	Wheel size	Axle	Part load	Full load
245/45 R 19	8.0J x 19	FA	2.2 bar 31 psi	2.2 bar 31 psi
295/40 R 20	11.5J x 20	RA	2.2 bar 31 psi	2.2 bar 31 psi

Standard tire pressure for all-terrain tires

Standard tire pressure for all-terrain tires				
911 Dakar				
Vmax = 240 km/h (149 mph)				
Tire size	Wheel size	Axle	Part load	Full load
245/45 R 19	8.0J x 19	FA	2.0 bar 29 psi	2.0 bar 29 psi
295/40 R 20	11.5J x 20	RA	2.2 bar 31 psi	2.2 bar 31 psi

Snow chains:



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.

Porsche offers the following snow chains as accessories:

Tire size	Porsche Part No.	Type of snow chain
295/35 R 20 295/30 R 21 305/30 R 21	992.044.690.A not for Dakar	Link-type chain, quick fit
295/40 R 20	992.091.355 only for Dakar	Snow chains with quick-clamping technology Mounting only on rear axle (winter tires). Not available with Allterrain tires!

- 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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Manufacturer's Certificate

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