

Manufacturer's Certificate

911 (992)

38/25 ENU 4400

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Approved: Wheels and Tires (38/25)

Revision: This bulletin replaces bulletin Group 4 37/24, dated December 3, 2024.

Model Year: **As of 2020**

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**

Cause: Approval status: September 2025

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

Tire sizes	Wheel sizes	Snow chains
<b>911 Carrera/911 Carrera 4/911 Targa 4</b>		
<b>Summer</b>		
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 50/RO 53 RA: 11.5J x 21, RO 67	
20/21–inch FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)		
<b>Winter</b>		
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	RA only
<b>Tire sizes</b>	<b>Wheel sizes</b>	<b>Snow chains</b>
<b>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</b>		
<b>Summer</b>		
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/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)		
<b>Winter</b>		
19/20–inch <b>Not for GTS</b> 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 <b>Not for GTS</b> 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	

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Tire sizes	Wheel sizes	Snow chains
<b>911 Turbo/911 Turbo S/911 Sport Classic</b>		
<b>Summer</b>		
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	No
20/21–inch FA: 255/35 ZR 20 (93Y) RA: 315/30 ZR 21 (105Y) XL	<b>Not for 911 Sport Classic</b>	
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		
<b>Winter</b>		
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
<b>911 Dakar</b>		
<b>Summer</b>		
19/20–inch FA: 245/45 ZR 19 102Y XL RA: 295/40 ZR 20 110Y XL	FA: 8.0J x 19 R038 RA: 11.5J x 20, RO 63	No
<b>Winter</b>		
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
<b>All-terrain</b>		
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). Not for Australia/South Korea/Vietnam vehicles with PASM sports chassis.

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 colour 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.FR\_FFF

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

Parts No. 992.601.025.FS\_FFF

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

Parts No. 992.601.025.GA\_FFF

or

FA: 8.5J x 19, RO 52 (summer, winter)

Parts No. 992.601.025.FQ\_FFF

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

Parts No. 992.601.025.FT\_FFF

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

Parts No. 992.601.025.GB\_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  
RA: 11.5J x 21, RO 67 (summer)  
Part No. 992.601.025.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  
RA: 11.5J x 21, RO 67 (summer, TOP BASIC)  
Part No. 992.601.025.N\_\_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 50 (summer, C2, C4)  
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, RO 50 (summer)  
Part No. 992.044.610\_FFF

RA: 11.5J x 21, RO 67 (summer)  
Part No. 992.044.611\_\_FFF



OM-2

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

TEQ – offer

FA: 8.5J x 20, RO 50 (summer)  
Part No. 992.044.610.A

RA: 11.5J x 21, RO 67 (summer)  
Part No. 992.044.611.A

**for Carrera GTS**

or

FA: 9.5J x 20, RO 44 (summer)  
Part No. 992.044.610.B

RA: 12.0J x 21, RO 70 (summer)  
Part No. 992.044.611.B

**For Turbo vehicles**

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.

Wheel mounting:

using wheel bolts:

**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)
<b>911 Carrera/911 Carrera 4/911 Targa 4</b>	
FA: 235/40 ZR 19 (96Y) XL RA: 295/35 ZR 20 (105Y) XL	Michelin PilotSport 4S NAO FA: <a href="https://eprel.ec.europa.eu/qr/413170">https://eprel.ec.europa.eu/qr/413170</a> RA: <a href="https://eprel.ec.europa.eu/qr/410061">https://eprel.ec.europa.eu/qr/410061</a>
FA: 235/40 ZR 19 (92Y) RA: 295/35 ZR 20 (101Y)	Pirelli P Zero NAO FA: <a href="https://eprel.ec.europa.eu/qr/595483">https://eprel.ec.europa.eu/qr/595483</a> RA: <a href="https://eprel.ec.europa.eu/qr/595482">https://eprel.ec.europa.eu/qr/595482</a>
FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 21 (104Y) XL	Goodyear Eagle F1 Asymmetric3 NAO FA: <a href="https://eprel.ec.europa.eu/qr/529783">https://eprel.ec.europa.eu/qr/529783</a> RA: <a href="https://eprel.ec.europa.eu/qr/529788">https://eprel.ec.europa.eu/qr/529788</a>
	Michelin PilotSport 4S NAO <b>Not for India.</b> FA: <a href="https://eprel.ec.europa.eu/qr/409939">https://eprel.ec.europa.eu/qr/409939</a> RA: <a href="https://eprel.ec.europa.eu/qr/411576">https://eprel.ec.europa.eu/qr/411576</a>
FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)	Pirelli P Zero NA1 FA: <a href="https://eprel.ec.europa.eu/qr/596523">https://eprel.ec.europa.eu/qr/596523</a> RA: <a href="https://eprel.ec.europa.eu/qr/596522">https://eprel.ec.europa.eu/qr/596522</a>

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	
Tire size	Tire make and type / Label value (link to EU database)
<b>911 Carrera/911 Carrera 4/911 Targa 4</b>	
FA: 245/35 ZR 20 (95Y) XL RA: 305/30 ZR 21 (104Y) XL	Goodyear Eagle F1 Asymmetric3 NAO FA: <a href="https://eprel.ec.europa.eu/qr/529783">https://eprel.ec.europa.eu/qr/529783</a> RA: <a href="https://eprel.ec.europa.eu/qr/529788">https://eprel.ec.europa.eu/qr/529788</a>
	Michelin PilotSport 4S NAO <b>Not for India.</b> FA: <a href="https://eprel.ec.europa.eu/qr/409939">https://eprel.ec.europa.eu/qr/409939</a> RA: <a href="https://eprel.ec.europa.eu/qr/411576">https://eprel.ec.europa.eu/qr/411576</a>
FA: 245/35 ZR 20 (91Y) RA: 305/30 ZR 21 (100Y)	Pirelli P Zero NA1 FA: <a href="https://eprel.ec.europa.eu/qr/596523">https://eprel.ec.europa.eu/qr/596523</a> RA: <a href="https://eprel.ec.europa.eu/qr/596522">https://eprel.ec.europa.eu/qr/596522</a>
<b>911 Turbo/911 Turbo S/911 Sport Classic</b>	
FA: 255/35 ZR 20 (97Y) XL RA: 315/30 ZR 21 (105Y) XL	Goodyear Eagle F1 Super Sport NAO FA: <a href="https://eprel.ec.europa.eu/qr/530034">https://eprel.ec.europa.eu/qr/530034</a> RA: <a href="https://eprel.ec.europa.eu/qr/530033">https://eprel.ec.europa.eu/qr/530033</a>
	Pirelli P Zero NA1 FA: <a href="https://eprel.ec.europa.eu/qr/596542">https://eprel.ec.europa.eu/qr/596542</a> RA: <a href="https://eprel.ec.europa.eu/qr/596543">https://eprel.ec.europa.eu/qr/596543</a>
<b>911 Dakar</b>	
FA: 245/45 ZR 19 102Y XL RA: 295/40 ZR 20 110Y XL	Pirelli P Zero NAO FA: <a href="https://eprel.ec.europa.eu/qr/596950">https://eprel.ec.europa.eu/qr/596950</a> RA: <a href="https://eprel.ec.europa.eu/qr/596953">https://eprel.ec.europa.eu/qr/596953</a>

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Winter Tires:

Tire size	Tire make and type / Label value (link to EU database)
<b>911 Carrera/911 Carrera 4/911 Targa 4</b>	
FA: 235/40 R 19 92V RA: 295/35 R 20 101V *)	Pirelli P Zero Winter NAO FA: <a href="https://eprel.ec.europa.eu/qr/595748">https://eprel.ec.europa.eu/qr/595748</a> RA: <a href="https://eprel.ec.europa.eu/qr/595749">https://eprel.ec.europa.eu/qr/595749</a>
FA: 235/40 R 19 96V XL RA: 295/35 R 20 105V XL *)	Continental Wintercontact TS 860 S NAO FA: <a href="https://eprel.ec.europa.eu/qr/479552">https://eprel.ec.europa.eu/qr/479552</a> RA: <a href="https://eprel.ec.europa.eu/qr/479553">https://eprel.ec.europa.eu/qr/479553</a>
FA: 245/35 R 20 95V XL RA: 295/30 R 21 102V XL *)	Continental Wintercontact TS 860 S NAO FA: <a href="https://eprel.ec.europa.eu/qr/479365">https://eprel.ec.europa.eu/qr/479365</a> RA: <a href="https://eprel.ec.europa.eu/qr/479508">https://eprel.ec.europa.eu/qr/479508</a>
	Michelin Pilot Alpin 5 NAO FA: <a href="https://eprel.ec.europa.eu/qr/409016">https://eprel.ec.europa.eu/qr/409016</a> RA: <a href="https://eprel.ec.europa.eu/qr/410247">https://eprel.ec.europa.eu/qr/410247</a>
<b>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</b>	
FA: 235/40 R 19 92V RA: 295/35 R 20 101V <b>Not for GTS</b> *)	Pirelli P Zero Winter NAO FA: <a href="https://eprel.ec.europa.eu/qr/595748">https://eprel.ec.europa.eu/qr/595748</a> RA: <a href="https://eprel.ec.europa.eu/qr/595749">https://eprel.ec.europa.eu/qr/595749</a>
FA: 235/40 R 19 96V XL RA: 295/35 R 20 105V XL <b>Not for GTS</b> *)	Continental Wintercontact TS 860 S NAO FA: <a href="https://eprel.ec.europa.eu/qr/479552">https://eprel.ec.europa.eu/qr/479552</a> RA: <a href="https://eprel.ec.europa.eu/qr/479553">https://eprel.ec.europa.eu/qr/479553</a>
FA: 245/35 R 20 95V XL RA: 295/30 R 21 102V XL *)	Continental Wintercontact TS 860 S NAO FA: <a href="https://eprel.ec.europa.eu/qr/479365">https://eprel.ec.europa.eu/qr/479365</a> RA: <a href="https://eprel.ec.europa.eu/qr/479508">https://eprel.ec.europa.eu/qr/479508</a>
	Michelin Pilot Alpin 5 NAO FA: <a href="https://eprel.ec.europa.eu/qr/409016">https://eprel.ec.europa.eu/qr/409016</a> RA: <a href="https://eprel.ec.europa.eu/qr/410247">https://eprel.ec.europa.eu/qr/410247</a>

911 Turbo/911 Turbo S/911 Sport Classic	
Tire size	Tire make and type / Label value (link to EU database)
FA: 245/35 R 20 95V XL RA: 305/30 R 21 104V XL	Goodyear Ultragrip Performance Gen-1 NAO FA: <a href="https://eprel.ec.europa.eu/qr/529789">https://eprel.ec.europa.eu/qr/529789</a> RA: <a href="https://eprel.ec.europa.eu/qr/530031">https://eprel.ec.europa.eu/qr/530031</a>
	Michelin Pilot Alpin 5 NA5 FA: <a href="https://eprel.ec.europa.eu/qr/411084">https://eprel.ec.europa.eu/qr/411084</a> RA: <a href="https://eprel.ec.europa.eu/qr/410097">https://eprel.ec.europa.eu/qr/410097</a>
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). Not for Australia/South Korea/Vietnam vehicles with PASM sports chassis.

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: <a href="https://eprel.ec.europa.eu/qr/596951">https://eprel.ec.europa.eu/qr/596951</a> RA: <a href="https://eprel.ec.europa.eu/qr/596952">https://eprel.ec.europa.eu/qr/596952</a>

Arrow with inscription "Rotation"

= Directional mounting

"Inside/Outside" inscription

= Mounting on specified side only

Arrow with 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 (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

#### 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 (NA0, NA1, NA2, etc.) on a vehicle.**

Tire pressure:



### 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.

**WARNING**

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/ 68 °F). 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 (168 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 (168 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 (168 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 (168 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 (168 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 (168 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)

Standard tire pressure for winter 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				
4) 19/20-inch winter tires not for GTS				
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)
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 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

4) 19/20-inch winter tires not for GTS

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 EQUIPMENT 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 <b>not for Dakar</b>	Link-type chain, quick fit
295/40 R 20	992.091.355 <b>only for Dakar</b>	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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