

**Summer Tire and Wheel Summary**

Binder - Service Technical Bulletins  
This bulletins replaces bulletin Group 4, # 4/97, dated 8-21-98.

- Vehicle Type: **911 Turbo (993), 911 Carrera S (993), and 911 Carrera 4S (993)**
- Model Year: **As of 1995 (S) up to 1998 (W)**
- Filing: **This bulletin replaces bulletin Group 4, #4/97 dated 8-21-98. Affix attached supersession decal across page 84 in *Technical Bulletin Book O*.**
- Concerns: **Overview of summer tires, wheels and spacer rings.**
- Makes/Types: **Approved Summer Tire Makes and Types**

<b>Tire Sizes</b>	<b>Manufacturer and Type</b>
205/50 ZR 17 <sup>1</sup> and 255/40 ZR 17 <sup>1</sup>	Bridgestone Expedia S-01 N2 Bridgestone S-02 N3 <b>Bridgestone Potenza S-02A N4</b> Continental SportContact N1 <b>Continental SportContact 2 N2</b> <b>Dunlop SP Sport 8000 N0</b> Michelin MXX3 Pilot SX N0 Michelin MXX3 Pilot SX N1 <b>Michelin Pilot Sport N2</b> Pirelli P-Zero Asimmetrico N1 Pirelli P-Zero Direzionale N2 <sup>2</sup> /Asimmetrico N2 <sup>3</sup> <b>Pirelli P-Zero ROSSO N3</b> Toyo Proxes F1 S N0 Yokohama A-008 P N1
225/40 ZR 18 and 285/35 ZR 18	Bridgestone S-02 N1 Bridgestone S-02 N2 <b>Bridgestone Potenza S-02A N3</b> Continental SportContact N1 <b>Continental SportContact 2 N2</b> Michelin Pilot Sport N0 <b>Michelin Pilot Sport N1</b> Pirelli P-Zero N0 Pirelli P-Zero Asimmetrico N1 Pirelli P-Zero Asimmetrico N2 Pirelli P-Zero Asimmetrico N3 <sup>4</sup> <b>Pirelli P-Zero ROSSO N4</b>

**Footnotes:**

- <sup>1</sup> = Not for 911 Carrera S  
<sup>2</sup> = For front axle only.  
<sup>3</sup> = For rear axle only.  
<sup>4</sup> = Not for vehicles with four wheel drive.

"N..." = Specification characters of the tyre, e.g. "N0", "N1", "N2", "N3", or "N4". The complete code "N..." of the tires in question must be located on the tire sidewall near the tire type designation. Only tyres of the same make and type, as well as the same speed class ("ZR") and specification code ("N0", "N1", "N2", "N3" or "N4") may be used.

The tire types printed in bold correspond to the latest approval status and are available at tire suppliers since June, 2002. When replacing tires due to wear on front and rear axles or when replacing for any other reason, it is recommended to only use these tire types.

Mounting  
Instructions:

**Instructions for proper tire mounting are located on the tire sidewall.**

- Arrow with Rotation marking = directional mounting
- Inside/Outside marking = mounting on specified side only
- Arrow with Rotation marking and Inside/Outside marking = directional mounting on specified side only

If there are no mounting instructions on the tire sidewall, the tire must be mounted so that the DOT code is visible from the outside.

Tire Pressure:

	<b>17"</b>	<b>18" Wheels</b>
Front Axle	36 psi / 2.5 bar	36 psi / 2.5 bar
Rear Axle	36 psi / 2.5 bar	44 psi / 3.0 bar

This 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 pressures must never be lower than the specified values.

Wheel Mounting:

The tightening torque for the wheel and fastening spacer ring is 130 Nm (96 ftlb.).

Tire Sizes:

**Approved summer tire, wheel and spacer ring sizes for 911 Carrera S (993) only.**

Tires	Wheels	Offset (mm)	Axle	Notes
205/50 ZR 17 255/40 ZR 17	7 J x 17 9 J x 17	50.0 55.0	Front Rear	Must use 31mm spacer ring, part no., 996 361 631 00 <sup>1</sup> on rear axle. Snow chains cannot be installed.
205/50 ZR 17 255/40 ZR 17	7J x 17 9 J x 17	55.0 55.0	Front Rear	Can use 5mm spacer ring part no. 996 361 605 90 <sup>1</sup> on front axle. Must use 31mm spacer ring, part no., 996 361 631 00 <sup>1</sup> on rear axle. Snow chains cannot be installed.

Technical Information

911 (993)

7/03

4440

4

Tire Sizes:  
(cont'd)

**Approved summer tire, wheel and spacer ring sizes for all models.**


Tires	Wheels	Offset (mm)	Axle	Notes
225/40 ZR 18 285/30 ZR 18	8 J x 18 10 J x 18	50.0 65.0	Front Rear	Must use 25mm spacer ring, part no., 996 361 625 00 <sup>1</sup> on rear axle. Snow chains cannot be installed.
225/40 ZR 18 285/30 ZR 18	8 J x 18 10 J x 18	52.0 40.0	Front Rear	Snow chains cannot be installed.
225/40 ZR 18 285/30 ZR 18	8 J x 18 10 J x 18	50.0 47.0	Front Rear	Must use 5mm spacer ring, part no., 996 361 605 90 <sup>1</sup> on rear axle. Snow chains cannot be installed.
225/40 ZR 18 285/30 ZR 18	8 J x 18 10 J x 18	52.0 65.0	Front Rear	Must use 25mm spacer ring, part no., 996 361 625 00 <sup>1</sup> on rear axle. Snow chains cannot be installed.

**Footnote:**

<sup>1</sup> = Spacer ring must be removed when installing spare tire.

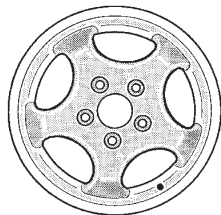
Wheels:

**Overview of Porsche wheels for summer tires**

Identification on the inside/outside of the wheel disc: Wheel sizes, rim offset, part numbers and Porsche logo 

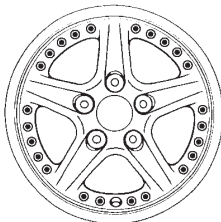
**Wheel Style                      Wheel Dimension              Offset (mm)              Porsche Part Number**

17" Cup Design



7 J x 17 AH	55.0	965 362 124 00/01
9 J x 17 AH	55.0	965 362 128 00

17" Targa



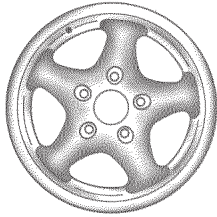
7 J x 17 H2	55.0	993 362 124 50
9 J x 17 H2	55.0	993 362 128 50

Wheels:  
(cont'd)

**Overview of Porsche wheels for summer tires**

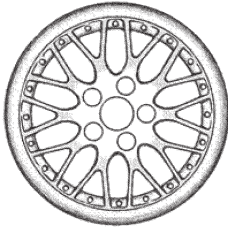
Wheel Style	Wheel Dimension	Offset (mm)	Porsche Part Number
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17" Cup Design 93



7 J x 17 H2/AH	55.0	993 362 124 00
9 J x 17 H2/AH	55.0	993 362 128 00

17" SportClassic



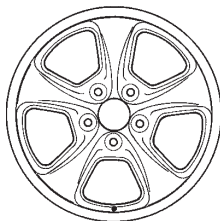
7 J x 17 H2	55.0	993 362 124 51
9 J x 17 H2	55.0	993 362 128 51

17" Carrera



7 J x 17 H2	55.0	996 362 124 00
9 J x 17 H2	55.0	996 362 128 00

17" Carrera 4



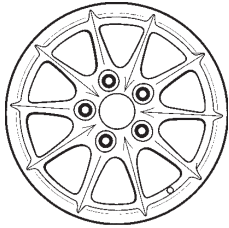
7 J x 17 H2	55.0	996 362 124 01
9 J x 17 H2	55.0	996 362 128 01

Wheels:  
(cont'd)

**Overview of Porsche wheels for summer tires**

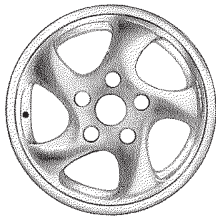
Wheel Style	Wheel Dimension	Offset (mm)	Porsche Part Number
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17" Carrera II



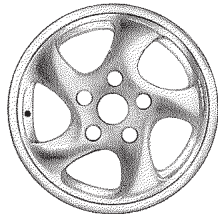
7 J x 17 H2	50.0	996 362 124 02
9 J x 17 H2	55.0	996 362 128 02

18" Turbo I



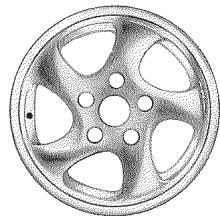
8 J x 18 H2	52.0	993 362 136 00
10 J x 18 H2	40.0	993 362 140 00
10 J x 18 H2	65.0	993 362 140 01

18" Turbo Look I



8 J x 18 H2	52.0	993 362 136 01
10 J x 18 H2	65.0	993 362 140 04
10 J x 18 H2	40.0	993 362 140 03

18" Turbo Look I High Gloss



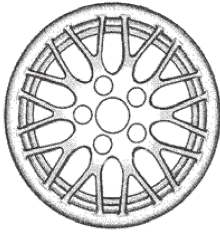
8 J x 18 H2	52.0	993 362 136 07/08
10 J x 18 H2	65.0	993 362 140 07/08

Wheels:  
(cont'd)

**Overview of Porsche wheels for summer tires**

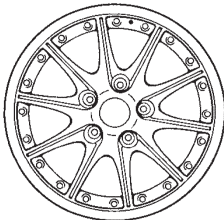
Wheel Style	Wheel Dimension	Offset (mm)	Porsche Part Number
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18" SportClassic II



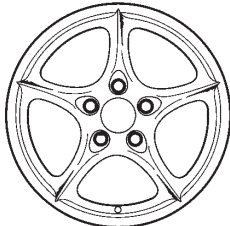
8 J x 18 H2	52.0	993 362 136 50
10 J x 18 H2	65.0	993 362 140 50

18" Sport Design



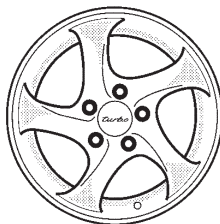
8 J x 18 H2	52.0	996 362 136 50
10 J x 18 H2	65.0	996 362 140 50

18" Carrera II



8 J x 18 H2	50.0	996 362 136 03
10 J x 18 H2	65.0	996 362 140 03

18" Turbo Look II



8 J x 18 H2	50.0	996 362 136 01
10 J x 18 H2	47.0	996 362 140 01
10 J x 18 H2	47.0	996 362 140 02

**General:**

Always use new valves when changing tires:

Rubber valves, Part Nos. 900 265 001 50 and 000 044 600 00.  
Only steel valve caps, Part No. 993 361 163 90 may be used.

Always observe any possible instructions concerning the rolling direction and/or specifying which side the tires must be mounted on. Refer to notes on page 1 (if applicable).

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.

If new tires are to be mounted or the tires of one axle are to be replaced, tires of the same make, the same 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 by more than 30 %.

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 on 'ZR' tires are not allowed, as is the use of inner tubes in tubeless tires. 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.

General: Therefore, attention should be paid not only to the tread depth but also to the age of the tire. tires (cont'd) should not be older than 6 years. The age of the tire can be determined via the DOT code on the side-wall, which indicates the production date of the tire: e.g. DOT 2201= 22nd week of 2001.

Tires/complete wheels must be stored in a cool, dry and dark room with adequate ventilation. They must never come into contact with fuel, oil, grease or chemicals.

Complete wheels can be stacked for storage; it is advisable to increase the tire pressure by 0.4 bar. Optimum conditions for proper storage of the complete wheels are provided by the Original Porsche storage stand (trolley), Part Number 000 044 000 38.

If the tires are not mounted on wheels, it is best to store them in vertical position. Tires stored in vertical position should be turned every two weeks in order to prevent excessive flattening. If the tires are stacked in horizontal position, they will become severely deformed and cannot be seated in the rim flange easily when they are mounted.

Literature: 911 Turbo (993) Technical Manual, Volume IV, Gr. 44 - Wheels

**Important Notice:** Porsche Cars N.A Technical Bulletins are intended for use by professional technicians, not a "Do-it-yourselfer." They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Special tools may be required to perform certain operations identified in these bulletins. Use of tools and procedures other than those recommended in these bulletins may be detrimental to the safe operation of your vehicle. Properly trained technicians have the equipment, tools, safety instructions and know-how to do a job properly and safely. If a condition is described, do not assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your Porsche Dealer for information on whether your vehicle may benefit from the information. Part numbers listed in these bulletins are for reference only. Always check with your authorized Porsche dealer to verify correct part numbers.

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