

**Approved Wheels and Tires (14/19)**

Revision: This bulletin replaces bulletin, Group 4, # 32/18, dated January 31, 2019.

Model Year: **As of 2019**

Vehicle Type: **Macan Basis, Macan S**

Concern: Start of new model year 25/19

General: This bulletin contains information about

- technically permissible wheel/tire combinations,
- measures that may be required when changing the wheel/tire combination fitted at the factory,
- approved original Porsche alloy wheels and
- approved summer, all-season and winter tires and their tire pressures.

Sizes: **Technically permissible wheel/tire combinations**  
**(RO = rim offset in mm, FA = front axle, RA = rear axle)**

Tires	Tire size	Wheel size	Snow chains
<b>Macan, Macan S</b>			
Summer	FA: 235/60 R 18 103W RA: 255/55 R 18 105W  – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 8 J x 18, RO 21 RA: 9 J x 18, RO 21	No
	FA: 235/55 R 19 101Y RA: 255/50 R 19 103Y	FA: 8.5 J x 19, RO 21 RA: 9 J x 19, RO 21	No
	FA: 265/45 R 20 104Y RA: 295/40 R 20 106Y  – Only in combination with wheel arch cover on RA <sup>1</sup>	FA: 9 J x 20, RO 26 RA: 10 J x 20, RO 19	No
	FA: 265/40 R 21 101Y RA: 295/35 R 21 103Y  – Only in combination with wheel arch cover on RA <sup>1</sup>	FA: 9.5 J x 21, RO 27 RA: 10 J x 21, RO 19	No

Tires	Tire size	Wheel size	Snow chains
All-season Winter	FA: 235/60 R 18 103V M+S RA: 255/55 R 18 105V M+S – Not for vehicles with Porsche Ceramic Composite Brake (PCCB)	FA: 8 J x 18, RO 21 RA: 9 J x 18, RO 21	RA only
	FA: 235/55 R 19 101V M+S RA: 255/50 R 19 103V M+S	FA: 8.5 J x 19, RO 21 RA: 9 J x 19, RO 21	RA only
	FA: 265/45 R 20 104V M+S RA: 295/40 R 20 106V M+S – Only in combination with wheel arch cover on RA <sup>1</sup>	FA: 9 J x 20, RO 26 RA: 10 J x 20, RO 19	No

<sup>1</sup> Set Part No. 95B.044.800.05

Wheels:

**Overview of Porsche wheels for summer, all-season and winter tires**

Identification on inside of wheel:

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

**18-inch Macan wheel**

Front: 8 J x 18, RO 21  
Part No. 95B.601.025.DA FFF

Rear: 9 J x 18, RO 21  
Part No. 95B.601.025.DB FFF



*18-inch wheel*

**18-inch Macan S wheel**

Front: 8 J x 18, RO 21  
Part No. 95B.601.025.DC FFF

Rear: 9 J x 18, RO 21  
Part No. 95B.601.025.DD FFF



*18-inch S wheel*

**19-inch Macan Sport wheel**

Front: 8.5 J x 19, RO 21  
Part No. 95B.601.025.DE FFF

Rear: 9 J x 19, RO 21  
Part No. 95B.601.025.DQ FFF



*19-inch Sport wheel*

**19-inch Macan Design wheel**

Front: 8.5 J x 19, RO 21  
Part No. 95B.601.025.DF FFF  
Rear: 9 J x 19, RO 21  
Part No. 95B.601.025.DR FFF

*19-inch Design wheel***19-inch Macan Sport Classic (TEQ ONLY) wheel**

Front: 8.5 J x 19, RO 21  
Part No. 95B.601.025.EE FFF  
Rear: 9 J x 19, RO 21  
Part No. 95B.601.025.ED FFF

*19-inch Sport Classic wheel (TEQ only)***20-inch Macan Turbo wheel**

Front: 9 J x 20 H2, RO 26  
Part No. 95B.601.025.DG FFF  
Rear: 10 J x 20 H2, RO 19  
Part No. 95B.601.025.DH FFF

*20-inch Turbo wheel (high-gloss Black)*

**21-inch 911 Turbo Design wheel**

Front: 9.5 J x 21, RO 27

Part No. 95B.601.025.DN FFF

Rear: 10 J x 21, RO 19

Part No. 95B.601.025.DP FFF



*21-inch 911 Turbo Design wheel*

**21-inch Macan Sport Classic wheel**

Front: 9,5 J x 21 H2, RO 27

Part No. 95B.601.025.EF FFF

Rear: 10 J x 21 H2, RO 19

Part No. 95B.601.025.EC FFF



*21-inch Sport Classic wheel*



**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 centering clamping set for balancing.

Do not use brushes to clean the wheels because brushes can cause deep scratches that cannot be removed by polishing.

Never use solvents or other chemical substances on tires.

Wheel  
Mounting:

**Tightening torque 160 Nm (118 ftlb.)**

## Summer Tires:

Model	Tire size	Tire make and type
Macan, Macan S	235/60 R 18 103W and 255/55 R 18 105W	Continental ContiSportContact 5 N0
		Michelin Latitude Sport 3 N0
		Hankook veNtus S1 evo2 SUV N1
		Falken Azensis FK510A N0
	235/55 R 19 101Y and 255/50 R 19 103Y	Continental ContiSportContact 5 N0
		Michelin Latitude Sport 3 N0
		Pirelli Pzero N1
		Nexen N'FERA RU1 N1
	265/45 R 20 104Y and 295/40 R 20 106Y	Michelin Latitude Sport 3 N0
		Pirelli Pzero N0
		Goodyear Eagle F1 Asym. 3 N0
	265/40 R 21 101Y and 295/35 R 21 103Y	Continental ContiSportContact 5P N0
Pirelli Pzero N0		
Michelin Latitude Sport 3 N2		

All-Season  
Tires:

Model	Tire size	Tire make and type
Macan, Macan S	235/60 R 18 103V M+S and 255/55 R 18 105V M+S	Michelin Latitude Tour HP N0
		Continental ContiProContactTX N0
		Pirelli Scorpion Verde AS N0
	235/55 R 19 101V M+S and 255/50 R 19 103V M+S	Michelin Latitude Tour HP N0
		Continental ContiProContactTX N0
		Pirelli Scorpion Verde AS N0
		Goodyear Eagle LS 2 N0
	265/45 R 20 104V M+S and 295/40 R 20 106V M+S	Michelin Latitude Tour HP N0
		Pirelli Scorpion Verde AS N0
		Goodyear Eagle Touring N0

Winter Tires:

Model	Tire size	Tire make and type
Macan, Macan S	235/60 R 18 103V M+S and 255/55 R 18 105V M+S	Continental ContiWinterContact 830 P NO
		Pirelli Scorpion Winter NO
	235/55 R 19 101V M+S and 255/50 R 19 103V M+S	Dunlop SP Winter Sport 4D NO
		Pirelli Scorpion Winter NO
	265/45 R 20 104V M+S and 295/40 R 20 106V M+S	Dunlop Winter Sport 4D NO
		Pirelli Scorpion Winter NO
		Michelin Pilot Alpin 5 SUV NO



**Information**

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

Instructions for correct mounting of the tyres are also given on the tyre sidewall. If there are no mounting instructions on the tyre sidewall, the tyre 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**

If a tire is damaged and it is not possible to determine with absolute certainty that there is no ply damage - with all of its consequences - or if the tire was thermally and/or mechanically overloaded due to a loss of pressure or other prior damage, replace the tire in question for safety reasons.

Repairs to "V", "W", "Y" and "ZR" tires are not permissible, as well as the use of inner tubes in tubeless tires. Please inform your customers accordingly. It is advisable to mount winter tires at temperatures below **45° F/7°C**, because the driving characteristics of summer tires are reduced at low temperatures. Extremely low temperatures can cause permanent damage to summer 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. Replace tires that are more than 6 years old.
- ⇒ Perform visual inspections.
- ⇒ Use only tires recommended 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. **68° F/20°C**). The tire pressures must never be lower than the specified values.

**Tire pressure for summer, winter and all-season tires**

Tires	Part load		Full load	
	FA	RA	FA	RA
<b>All summer, winter and all-season tires</b>				
235/60 R 18 255/55 R 18	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)
235/55 R 19 255/50 R 19	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)
265/45 R 20 295/40 R 20	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)
265/40 R 21 295/35 R 21	2.3 bar (33 psi)	2.5 bar (36 psi)	2.5 bar (36 psi)	2.7 bar (39 psi)

**WARNING**
**Incorrectly installed snow chains**

- Uncontrollable vehicle handling
- ⇒ Do not exceed the maximum speed of Speed 30 mph/50 km/h.
- ⇒ Observe installation instructions from the chain manufacturer.

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

Tire size - RA	Porsche Part No.	Type of snow chain
255/55 R 18 105V M+S 255/50 R 19 103V M+S	95B.044.600.15	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 wheels can be stacked for storage; we recommend that you increase the tire pressure by approx. 0.4 bar (6 psi).

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 Info:** 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. 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 permissible, 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.

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.

**Important Notice:** Technical Bulletins issued by Porsche Cars North America, Inc. are intended only for use by professional automotive technicians who have attended Porsche service training courses. They are written to inform those technicians of conditions that may occur on some Porsche vehicles, or to provide information that could assist in the proper servicing of a vehicle. Porsche special tools may be necessary in order to perform certain operations identified in these bulletins. Use of tools and procedures other than those Porsche recommends in these bulletins may be detrimental to the safe operation of your vehicle, and may endanger the people working on it. Properly trained Porsche technicians have the equipment, tools, safety instructions, and know-how to do the job properly and safely. Part numbers listed in these bulletins are for reference only. The work procedures updated electronically in the Porsche PIWIS diagnostic and testing device take precedence and, in the event of a discrepancy, the work procedures in the PIWIS Tester are the ones that must be followed.

© 2019 Porsche Cars North America, Inc.