

Manufacturer's Certificate

Macan (95B)

23/23 ENU 4400

4

Approved: Wheels and Tires (23/23)

Revision: This bulletin replaces bulletin Group 4 63/22, dated January 30, 2023.

Model Year: **As of 2022**

Vehicle Type: **Macan III**

Information: Approval status: July 2023

General information: This Manufacturer's Certificate contains information about

- technically permissible wheel/tire combinations,
- measures that may be required when changing the wheel/tire combination installed 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 (ET = Einpresstiefe) in mm, FA = front axle, RA = rear axle)

Tires	Tire size	Wheel size	Snow chains
Macan, Macan T, Macan S, Macan GTS			
Summer	FA: 235/55 R 19 101Y RA: 255/50 R 19 103Y Not for Macan GTS	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 with wheel arch cover on the RA *	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 with wheel arch cover on the RA *	FA: 9,5 J x 21, RO 27 RA: 10 J x 21, RO 19	No
	Macan: not standard for USA		

Tires	Tire size	Wheel size	Snow chains
All Season	FA: 235/55 R 19 101VM+S RA: 255/50 R 19 103V M+S Not for Macan GTS	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 with wheel arch cover on the RA *	FA: 9 J x 20, RO 26 RA: 10 J x 20, RO 19	No
	FA: 265/40 R 21 101VM+S RA: 295/35 R 21 103V M+S Only with wheel arch cover on the RA *	FA: 9,5 J x 21, RO 27 RA: 10 J x 21, RO 19	No
Winter	FA: 235/55 R 19 101VM+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 with wheel arch cover on the RA *	FA: 9 J x 20, RO 26 RA: 10 J x 20, RO 19	No

* Set Part No. 95B.044.800.05

Wheels:

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

Identification on the inside of the wheel:

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

19" Macan wheel

front 8.5 J x 19, ET 21

Part No.: 95B.601.025.FQ FFF

9 J x 19, ET 21 rear

Part No.: 95B.601.025.FR FFF



19-inch Macan wheel

19" Macan Design wheel

front 8.5 J x 19, ET 21

Part No.: 95B.601.025.EG FFF

9 J x 19, ET 21 rear

Part No.: 95B.601.025.EH FFF



19-inch Macan Design wheel

20" S wheel

front 9 J x 20 H2, RO 26

Part No.: 95B.601.025.EJ FFF or

95B.601.029.AJ FFF

rear 10 J x 20 H2, RO 19

Part No.: 95B.601.025.EK FFF or

95B.601.029.AK FFF



20-inch S wheel

20" Macan Sport wheel

front 9 J x 20 H2, RO 26

Part No.: 95B.601.025.FM FFF

rear 10 J x 20 H2, RO 19

Part No.: 95B.601.025.FP FFF

*20-inch Macan Sport wheel***21" 911 Turbo IV wheel**

front 9.5 J x 21, ET 27

Part No.: 95B.601.025.DN FFF

rear 10 J x 21, ET 19

Part No.: 95B.601.025.DP FFF

*21-inch 911 Turbo IV wheel*

21" 911 Turbo wheel

front 9.5 J x 21, ET 27

Part No.: 95B.601.025.GA FFF

rear 10 J x 21, ET 19

Part No.: 95B.601.025.GB FFF



21-inch 911 Turbo wheel

21" GT Design wheel

front 9.5 J x 21 H2, RO 27

Part No.: 95B.601.025.FS FFF

rear 10 J x 21 H2, RO 19

Part No.: 95B.601.025.FT FFF



21-inch GT Design wheel

21" Exclusive Design Sport wheel

front 9.5 J x 21 H2, RO 27
Part No.: 95B.601.025.FE FFF or
95B.601.029.AE FFF

rear 10 J x 21 H2, RO 19
Part No.: 95B.601.025.FF FFF or
95B.601.029.AF FFF



21-inch Exclusive Design Sport wheel

21" RS Spyder Design wheel

front 9.5 J x 21 H2, RO 27
Part No.: 95B.601.025.HJ FFF or
95B.601.025.HL FFF

rear 10 J x 21 H2, RO 19
Part No.: 95B.601.025.HK FFF or
95B.601.025.HM FFF



21-inch RS Spyder Design 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.)



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 (NO, N1, N2, ...) on a vehicle.

Summer Tires:

Model	Tire size	Tire make and type / Label value (Link to EU database)	
Macan, Macan T, Macan S, Macan GTS	235/55 R 19 101Y and 255/50 R 19 103Y Not for Macan GTS	Continental ContiSportContact 5 N0 Macan: not standard for USA. FA: https://eprel.ec.europa.eu/qr/481796 RA: https://eprel.ec.europa.eu/qr/483099	
		Michelin Pilot Sport 4 SUV NEO Macan: not standard for USA. FA: https://eprel.ec.europa.eu/qr/410880 RA: https://eprel.ec.europa.eu/qr/412176	
		Pirelli Pzero N1 FA: https://eprel.ec.europa.eu/qr/595569 RA: https://eprel.ec.europa.eu/qr/595568	
		Nexen N'FERA RU1 N1 Macan: not standard for USA. FA: https://eprel.ec.europa.eu/qr/430699 RA: https://eprel.ec.europa.eu/qr/430693	
	265/45 R 20 104Y and 295/40 R 20 106Y Only with wheel arch cover on the RA * Macan: not standard for USA.	Michelin Latitude Sport 3 N0 FA: https://eprel.ec.europa.eu/qr/410830 RA: https://eprel.ec.europa.eu/qr/412254	
		Pirelli Pzero NO FA: https://eprel.ec.europa.eu/qr/596071 RA: https://eprel.ec.europa.eu/qr/594621	
		265/40 R 21 101Y and 295/35 R 21 103Y	
			Michelin Latitude Sport 3 N2 FA: https://eprel.ec.europa.eu/qr/409398

Model	Tire size	Tire make and type / Label value (Link to EU database)
	Only with wheel arch cover on the RA * Macan: not standard for USA.	RA: https://eprel.ec.europa.eu/qr/408648
		Pirelli Pzero NO
		FA: https://eprel.ec.europa.eu/qr/596070 RA: https://eprel.ec.europa.eu/qr/594620

All-Season
Tires:

Model	Tire size	Tire make and type / Label value (Link to EU database)	
Macan, Macan T, Macan S, Macan GTS	235/55 R 19 101V M+S and 255/50 R 19 103V M+S Not for Macan GTS	Michelin Latitude Tour HP NO FA: https://eprel.ec.europa.eu/qr/412711 RA: https://eprel.ec.europa.eu/qr/411671	
		Continental ContiProContactTX NO FA/RA: No offer in the EU	
		Pirelli Scorpion Verde AS NO FA: https://eprel.ec.europa.eu/qr/594615 RA: https://eprel.ec.europa.eu/qr/594614	
		Goodyear Eagle LS 2 NO FA: https://eprel.ec.europa.eu/qr/531098 RA: https://eprel.ec.europa.eu/qr/531100	
		265/45 R 20 104V M+S and 295/40 R 20 106V M+S Only with wheel arch cover on the RA *	Michelin Latitude Tour HP NO FA: https://eprel.ec.europa.eu/qr/409713 RA: https://eprel.ec.europa.eu/qr/408356
		Pirelli Scorpion Verde AS NO FA: https://eprel.ec.europa.eu/qr/594613 RA: https://eprel.ec.europa.eu/qr/594612	
	265/40 R 21 101V M+S 295/35 R 21 103V M+S Only with wheel arch cover on the RA *	Michelin Pilot Sport AS 4 NEO FA: https://eprel.ec.europa.eu/qr/783006 RA: https://eprel.ec.europa.eu/qr/783007	
		Pirelli Scorpion Verde A/S NEO FA: https://eprel.ec.europa.eu/qr/596508 RA: https://eprel.ec.europa.eu/qr/596509	

Winter Tires:

Model	Tire size	Tire make and type / Label value (Link to EU database)
Macan, Macan T, Macan S, Macan GTS	235/55 R 19 101V M+S and 255/50 R 19 103V M+S	Dunlop SP Winter Sport 4D N0 FA: https://eprel.ec.europa.eu/qr/529163 RA: https://eprel.ec.europa.eu/qr/529162
		Pirelli Scorpion Winter N0 FA: https://eprel.ec.europa.eu/qr/594651 RA: https://eprel.ec.europa.eu/qr/594654
	265/45 R 20 104V M+S and 295/40 R 20 106V M+S Only with wheel arch cover on the RA *	Pirelli Scorpion Winter N0 FA: https://eprel.ec.europa.eu/qr/594611 RA: https://eprel.ec.europa.eu/qr/594610
		Michelin Pilot Alpin 5 SUV N0 FA: https://eprel.ec.europa.eu/qr/408554 RA: https://eprel.ec.europa.eu/qr/408429



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**

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
Macan, Macan T: all summer, winter and all-season tires				
235/55 R 19	2.3 bar	2.5 bar	2.5 bar	2.7 bar
255/50 R 19	(33 psi)	(36 psi)	(36 psi)	(39 psi)
265/45 R 20	2.3 bar	2.5 bar	2.5 bar	2.7 bar
295/40 R 20	(33 psi)	(36 psi)	(36 psi)	(39 psi)
265/40 R 21	2.3 bar	2.5 bar	2.5 bar	2.7 bar
295/35 R 21	(33 psi)	(36 psi)	(36 psi)	(39 psi)

Macan S, Macan GTS all summer, winter and all-season tires				
235/55 R 19 255/50 R 19	2.4 bar (35 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)	2.8 bar (41 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 Summer	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 All-season	2.4 bar (35 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)	2.8 bar (41 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.**

- 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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