
Manufacturer's Certificate

Macan (XAB)

01/24 ENU 4400

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Approved: Wheels and Tires (01/24)

Vehicle Type: **Macan 4, Macan Turbo (XAB)**

Model Year: **As of 2024**

Cause: Approval status: June 2024

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.



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. "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**

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.

**Information**

For vehicles installed with 20-inch wheels at the factory on which 21-inch or 22-inch wheels are to be retrofitted, the wheel arch extension set with Part No. 95C 044 820 B (grained black) or 95C 044 820 C (painted in high-gloss black) must always be installed.

Sizes:

technically permissible wheel/tire combinations

(RO = rim offset in mm, FA = front axle, RA = rear axle)

Tires	Tire size	Wheel size	Snow chains
Macan 4, Macan Turbo			
Summer eDistance	FA: 235/55 R 20 105 Y XL RA: 285/45 R 20 112 Y XL	FA: 7.5J x 20, RO 32 RA: 10J x 20, RO 49	No
	FA: 255/45 R 21 106 Y XL RA: 295/40 R 21 111 Y XL	FA: 8.5J x 21, RO 27 RA: 10.5J x 21, RO 47	No
	FA: 255/40 R 22 103 Y XL RA: 295/35 R 22 108 Y XL	FA: 9J x 22, RO 29 RA: 11J x 22, RO 47	No
All-season **)	FA: 235/55 R 20 105 V XL RA: 285/45 R 20 112 V XL	FA: 7.5J x 20, RO 32 RA: 10J x 20, RO 49	No
	FA: 255/45 R 21 106 V XL RA: 295/40 R 21 111 V XL	FA: 8.5J x 21, RO 27 RA: 10.5J x 21, RO 47	No
	FA: 255/40 R 22 103 V XL RA: 295/35 R 22 108 V XL	FA: 9J x 22, RO 29 RA: 11J x 22, RO 47	No
Winter	FA: 235/55 R 20 105 V XL RA: 285/45 R 20 112 V XL	FA: 7.5J x 20, RO 32 RA: 10J x 20, RO 49	RA only
	FA: 255/45 R 21 106 V XL RA: 285/40 R 21 109 V XL	FA: 8.5J x 21, RO 27 RA: 10.5J x 21, RO 47	RA only
	FA: 255/40 R 22 103 V XL RA: 295/35 R 22 108 V XL	FA: 9J x 22, RO 29 RA: 11J x 22, RO 47	No

The country code for the specific. Vehicle can be found under **VEHICLE SEARCH, GENERAL DATA, COUNTRY EQUIPMENT.**

Wheels:

Overview of Porsche wheels for summer, all-season 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

20-inch Macan standard wheel

front 7.5J x 20, RO 32

Part No. 95C.601.025.B__FFF

rear 10J x 20, RO 49

Part No. 95C.601.025.C__FFF



20-inch Macan standard wheel

20-inch Macan Turbo wheel

front 7.5J x 20, RO 32

Part No. 95C.601.025.AF_FFF

rear 10J x 20, RO 49

Part No. 95C.601.025.AG_FFF



20-inch Macan Turbo wheel

21-inch Macan TOP wheel

front 8.5J x 21, RO 27
Part No. 95C.601.025.AT_FFF
rear 10.5J x 21, RO 47
Part No. 95C.601.025.BA_FFF

*21-inch Macan TOP wheel***21-inch Macan Design wheel**

front 8.5J x 21, RO 27
Part No. 95C.601.025.BB_FFF
rear 10.5J x 21, RO 47
Part No. 95C.601.025.BC_FFF

*21-inch Macan Design wheel***21-inch Macan Off-road Design wheel**

front 8.5J x 21, RO 27
Part No. 95C.601.025.BF_FFF
rear 10.5J x 21, RO 47
Part No. 95C.601.025.BG_FFF

*21-inch Macan Off-road Design wheel*

22-inch Macan Sport wheel

front 9J x 22, RO 29
Part No. 95C.601.025.BH_FFF

rear 11J x 22, RO 47
Part No. 95C.601.025.BJ_FFF



22-inch Macan Sport wheel

22-inch Macan Styling wheel

front 9J x 22, RO 29
Part No. 95C.601.025.BD_FFF

rear 11J x 22, RO 47
Part No. 95C.601.025.BM_FFF



22-inch Macan Styling wheel

22-inch Macan RS Spyder wheel

front 9J x 22, RO 29
Part No. 95C.601.025.AD_FFF

rear 11J x 22, RO 47
Part No. 95C.601.025.AE_FFF

or

Front part No. 95C.601.029.D_FFF
Rear part No. 95C.601.029.E_FFF



22-inch Macan RS Spyder wheel

22-inch Macan Exclusive Design wheel (full aluminium)

front 9J x 22, RO 29

Part No. left 95C.601.025.P__FFF, right
95C.601.025.Q__FFF

rear 11J x 22, RO 47

Part No. left 95C.601.025.BK__FFF, right
95C.601.025.BL__FFF*22-inch Macan Exclusive Design wheel (full aluminium)***22-inch Macan Exclusive Design wheel**

front 9J x 22, RO 29

Part no. left 95C.601.029.___FFF, right
95C.601.029.A__FFF

rear 11J x 22, RO 47

Part no. left 95C.601.029.B__FFF, right
95C.601.029.C__FFF*22-inch Macan Exclusive Design wheel*

**22-inch Macan Exclusive Design wheel
(CRFP blade)**

front 9J x 22, RO 29

Part No. left

ASSY: 95C.601.018__FFF / WHEEL:

95C.601.025.AH_FFF /

PANEL: 95C.601.147

ASSY PANELS (carset): 95C.601.149.A / screw:

WHT.009.498

Part No. right

ASSY: 95C.601.018.A__FFF / WHEEL:

95C.601.025.AJ_FFF

PANEL: 95C.601.147.A

ASSY PANELS (carset): 95C.601.149.A / screw:

WHT.009.498

rear 11J x 22, RO 47

Part No. left

ASSY: 95C.601.018.B__FFF / WHEEL:

95C.601.025.AK_FFF /

PANEL: 95C.601.147.B

ASSY PANELS (carset): 95C.601.149.A / screw:

WHT.009.498

Part No. right

ASSY: 95C.601.018.C__FFF / WHEEL:

95C.601.025.AL_FFF

PANEL: 95C.601.147.C

ASSY PANELS (carset): 95C.601.149.A / screw:

WHT.009.498



*22-inch Macan Exclusive Design
wheel (CRFP blade)*



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.

Wheel
Mounting:

Tightening torque 160 Nm (118 ftlb.)

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**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 (NEO, NE1, NE2...) on a vehicle.

Summer Tires:

Model	Tire size	Tire make and type / Label value (link to EU database)
Macan 4, Macan Turbo	FA: 235/55 R 20 105 Y XL RA: 285/45 R 20 112 Y XL	Hankook veNtus S1 evo3 ev NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1125120 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1125117
		Bridgestone Potenza Sport NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/501412 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/501885
		Michelin Pilot Sport EV NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492033 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492009
		Pirelli P ZERO elect NEO FA: HTTP://EPREL.EC.EUROPA.EU/QR/596476 RA: HTTP://EPREL.EC.EUROPA.EU/QR/596477
	FA: 255/45 R 21 106 Y XL RA: 295/40 R 21 111 Y XL	Bridgestone Potenza Sport NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/501631 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/501951
		Michelin Pilot Sport EV NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492010 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492032
		Continental SportContact 6 NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/648351 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/648350
		Goodyear Eagle F1 Supersport NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1416173

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Model	Tire size	Tire make and type / Label value (link to EU database)
		RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1416161
		Pirelli P ZERO elect NEO FA: HTTP://EPREL.EC.EUROPA.EU/QR/596099 RA: HTTP://EPREL.EC.EUROPA.EU/QR/596098
	FA: 255/40 R 22 103 Y XL RA: 295/35 R 22 108 Y XL	Bridgestone Potenza Sport NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/501606 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/501947
		Pirelli P ZERO elect NEO FA: HTTP://EPREL.EC.EUROPA.EU/QR/596391 RA: HTTP://EPREL.EC.EUROPA.EU/QR/596390
		Goodyear Eagle F1 Supersport NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1413250 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1416162
	FA: 255/40 R 22 103 Y XL RA: 295/35 R 22 108 Y XL SuperSport	P Zero Corsa elect NEO FA: HTTP://EPREL.EC.EUROPA.EU/QR/596391 RA: HTTP://EPREL.EC.EUROPA.EU/QR/596390

All-season
Tires:

Model	Tire size	Tire make and type / Label value (link to EU database)
Macan 4, Macan Turbo	FA: 235/55 R 20 105 V XL RA: 285/45 R 20 112 V XL	Michelin Pilot Sport A/S 4 NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492441 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492453
		Continental CrossContact RX NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/658896 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/658895
		Pirelli Scorpion MS elect NEO FA: HTTP://EPREL.EC.EUROPA.EU/QR/1426050 RA: HTTP://EPREL.EC.EUROPA.EU/QR/1560349
	FA: 255/45 R 21 106 VXL	Michelin Pilot Sport A/S 4 NEO

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Model	Tire size	Tire make and type / Label value (link to EU database)
	RA: 295/40 R 21 111 V XL	FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492428 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492429
		Continental CrossContact RX NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/658777 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/658779
		Pirelli Scorpion MS elect NEO FA: HTTP://EPREL.EC.EUROPA.EU/QR/1595312 RA: HTTP://EPREL.EC.EUROPA.EU/QR/1560348
	FA: 255/40 R 22 103 V XL RA: 295/35 R 22 108 V XL	Michelin Pilot Sport A/S 4 NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492442 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492430
		Continental CrossContact RX NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1035137 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1035136

Winter Tires:

Model	Tire size	Tire make and type / Label value (link to EU database)
Macan 4, Macan Turbo	FA: 235/55 R 20 105 V XL RA: 285/45 R 20 112 V XL	Michelin Pilot Alpine 5 SUV NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492336 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492337
		Pirelli Scorpion Winter 2 elect NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1419761 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1419760
		Goodyear Ultragrip Performance Gen-1 NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1086352 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1046969
	FA: 255/45 R 21 106 V XL RA: 285/40 R 21 109 V XL	Michelin Pilot Alpine 5 SUV NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492335 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1492334
		Continental WinterContact TS 860 S NEO

Model	Tire size	Tire make and type / Label value (link to EU database)
		FA: HTTPS://EPREL.EC.EUROPA.EU/QR/659132 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/658989
		Pirelli Scorpion Winter 2 elect NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1419759 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1419758
	FA: 255/40 R 22 103 V XL RA: 295/35 R 22 108 V XL	Continental WinterContact TS 860 S NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/659131 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/658964
		Pirelli Scorpion Winter 2 elect NEO FA: HTTPS://EPREL.EC.EUROPA.EU/QR/1419757 RA: HTTPS://EPREL.EC.EUROPA.EU/QR/1419756

 **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.**

Tire Pressure:



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.

Tire pressure for summer, winter and all-season tires

Tires	Part load		Full load	
	FA	RA	FA	RA
Macan 4, Macan Turbo: summer tires				
235/55 R 20 285/45 R 20	2.5 bar (36 psi)	2.5 bar (36 psi)	2.8 bar (41 psi)	2.8 bar (41 psi)
255/45 R 21 295/40 R 21	2.5 bar (36 psi)	2.5 bar (36 psi)	2.8 bar (41 psi)	2.8 bar (41 psi)
255/40 R 22 295/35 R 22	2.7 bar (39 psi)	2.7 bar (39 psi)	3.0 bar (44 psi)	3.0 bar (44 psi)
Macan 4, Macan Turbo: All-season tires				
235/55 R 20 285/45 R 20	2.8 bar (41 psi)	2.8 bar (41 psi)	3.1 bar (45 psi)	3.1 bar (45 psi)
255/45 R 21 295/40 R 21	2.8 bar (41 psi)	2.8 bar (41 psi)	3.1 bar (45 psi)	3.1 bar (45 psi)
255/40 R 22 295/35 R 22	3.0 bar (44 psi)	3.0 bar (44 psi)	3.3 bar (48 psi)	3.3 bar (48 psi)
Macan 4, Macan Turbo: winter tires				
235/55 R 20 285/45 R 20	2.8 bar (41 psi)	2.8 bar (41 psi)	3.1 bar (45 psi)	3.1 bar (45 psi)
255/45 R 21 285/40 R 21	2.8 bar (41 psi)	3.0 bar (44 psi)	3.1 bar (45 psi)	3.3 bar (48 psi)
255/40 R 22 295/35 R 22	3.0 bar (44 psi)	3.0 bar (44 psi)	3.3 bar (48 psi)	3.3 bar (48 psi)

⚠ WARNING**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.**

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

Tire size - RA	Porsche Part No.	Type of snow chain
285/45 R 20 112 V XL M+S 285/40 R 21 109 V XL M+S	95C.044.690	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 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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