Approved Wheels and Tires (20/21)

Revision: This bulletin replaces bulletin Group 4 69/20, dated January 25, 2021.

Model Year: **As of 2020**

Vehicle Type: **All Cayenne Coupé models**

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.

Situation: Approval status: May 2021

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

Information
Porsche Ceramic Composite Brakes (PCCB) are only permitted for 21-inch wheels, depending on wheel type.

Information
Porsche Surface Coated Brakes (PSCB) are only permitted for 20-inch or bigger wheels.

Information
For vehicles equipped with 19-inch and 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. 9Y0 044 820 must always be installed.

Tires	Tire sizes	Wheel sizes	Snow chains
Cayenne Basic Coupé / Cayenne Turbo Coupé / Cayenne S Coupé / Cayenne PHEV Coupé / Cayenne Turbo S PHEV Coupé / Cayenne GTS Coupé			
Summer	FA: 275/45 ZR 20 (110Y) XL RA: 305/40 ZR 20 (112Y) XL not for: Turbo Coupé, GTS Coupé, Turbo S E-Hybrid Coupé.	FA: 9.0 J x 20, RO 50 RA: 10.5 J x 20, RO 55	No
	FA: 285/40 ZR 21 (109Y) XL RA: 315/35 ZR 21 (111Y) XL	FA: 9.5 J x 21, RO 46 RA: 11.0 J x 21, RO 49	No
	FA: 285/35 ZR 22 (106Y) XL RA: 315/30 ZR 22 (107Y) XL Cayenne S Coupé: not standard for USA	FA: 10.0 J x 22, RO 48 RA: 11.5 J x 22, RO 52	No
Winter	FA: 275/45 R 20 110V XL RA: 305/40 R 20 112V XL	FA: 9.0 J x 20, RO 50 RA: 10.5 J x 20, RO 55	RA only 9Y0.044.690.A
	FA: 275/40 R 21 107V XL RA: 305/35 R 21 109V XL	FA: 9.5 J x 21, RO 46 RA: 11.0 J x 21, RO 49	RA only 9Y0.044.690.A
All-season	FA: 275/45 R 20 110V XL RA: 305/40 R 20 112V XL	FA: 9.0 J x 20, RO 50 RA: 10.5 J x 20, RO 55	RA only 9Y0.044.690.A
	FA: 285/40 ZR 21 109V XL RA: 315/35 ZR 21 111V XL	FA: 9.5 J x 21, RO 46 RA: 11.0 J x 21, RO 49	No

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

Identification on inside of wheel:

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

20-inch "Cayenne Design" wheel

FA: 9.0 J x 20 H2, RO 50
Part No. 9Y0.601.025.BD FFF

Coupé, RA: 10.5 J x 20, RO 55
Part No. 9Y3.601.025.AB FFF

20-inch Cayenne Design wheel

20-inch "Cayenne Sport" wheel

FA: 9.0 J x 20 H2, RO 50
Part No. 9Y0.601.025.BB FFF

Coupé, RA: 10.5 J x 20, RO 55
Part No. 9Y3.601.025.AA FFF

20-inch Cayenne Sport wheel

20-inch "TEQ" wheel

FA: 9.0 J x 20 H2, RO 50
Part No. 9Y0.601.025.BP FFF

Coupé, RA: 10.5 J x 20, RO 55
Part No. 9Y3.601.025.AH FFF

20-inch TEQ

21-inch "RS Spyder Design" wheel

FA: 9.5 J x 21 H2, RO 46
Part No. 9Y0.601.025.BF FFF

Coupé, RA: 11.0 J x 21, RO 49
Part No. 9Y3.601.025.AC FFF

21-inch RS Spyder Design wheel

21-inch "Cayenne Turbo / Turbo Design" wheel

FA: 9.5 J x 21 H2, RO 46
Part No. 9Y0.601.025.BK FFF

Coupé, RA: 11.0 J x 21, RO 49
Part No. 9Y3.601.025.AG FFF

21-inch Cayenne Turbo / Turbo Design wheel

21-inch "EXC / TEQ" wheel

FA: 9.5 J x 21 H2, RO 46
Part No. 9Y0.601.025.BH FFF
Part No. 9Y0.601.029.BH FFF

Coupé, RA: 11.0 J x 21, RO 49
Part No. 9Y3.601.025.AD FFF

21-inch Cayenne EXC / TEQ wheel

21-inch "P-HEV" wheel

FA: 9.5 J x 21 H2, RO 46
Part No. 9Y0.601.025.BM FFF

Coupé, RA: 11.0 J x 21, RO 49
Part No. 9Y3.601.025.AF FFF

21-inch P-HEV

22-inch "911 Turbo IV Design" wheel

FA: 10.0 x 22 H2, RO 48
Part No. 9Y0.601.025.BR FFF

Coupé, RA: 11.5 J x 22, RO 52
Part No. 9Y3.601.025.AJ FFF

Basic, Basic PHEV: only together with PSCB / PCCB!

22-inch 911 Turbo IV Design wheel

22-inch "Sport Classic II (EXC / TEQ)" wheel

FA: 10.0 x 22 H2, RO 48
Part No. 9Y0.601.025.AP FFF
Part No. 9Y0.601.029.AP FFF

Coupé, RA: 11.5 J x 22, RO 52
Part No. 9Y3.601.025.T FFF

22-inch "Sport Classic II (EXC / TEQ)" wheel

22-inch "RS Spyder" wheel

Only for Coupé

FA: 10.0 x 22, RO 48
Part No. 9Y3.601.025.AL FFF
RA: 11.5 x 22, RO 52
Part No. 9Y3.601.025.AM FFF

22-inch "RS Spyder" wheel

22-inch "Sports package" wheel

Only for Coupé

FA: 10.0 x 22, RO 48
Part No. 9Y3.601.025.AN FFF
RA: 11.5 x 22, RO 52
Part No. 9Y3.601.025.AP FFF

22-inch "Sports package" 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**

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 (N0, N1, N2, ...) on a vehicle.**

Summer Tires:

Model	Tire sizes	Tire make and type / label value (link to EU database)
Cayenne Basic Coupé, Cayenne S Coupé, Cayenne PHEV Coupé	FA: 275/45 ZR 20 (110Y) XL RA: 305/40 ZR 20 (112Y) XL	Bridgestone Dueler H/P Sport N0 (asymmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/383267 RA: https://eprel.ec.europa.eu/qr/383340
		Pirelli P Zero N0 (asymmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/595288 RA: https://eprel.ec.europa.eu/qr/595289
		Continental ContiSportContact 5P N0 (asymmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/482587 RA: https://eprel.ec.europa.eu/qr/482609
	FA: 285/40 ZR 21 (109Y) XL RA: 315/35 ZR 21 (111Y) XL	Pirelli P Zero N0 (asymmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/595290 RA: https://eprel.ec.europa.eu/qr/595291
		Pirelli P Zero Corsa N0 (asymmetrical, Inside/Outside, mounting on specified side only, only for vehicles with PDCC up to week 25/19 and with PASM from week 25/19.) FA: https://eprel.ec.europa.eu/qr/596002

Model	Tire sizes	Tire make and type / label value (link to EU database)
		RA: https://eprel.ec.europa.eu/qr/596001
		Hankook Ventus S1 evo3 SUV N0 (asymmetrical, Inside/Outside, mounting on specified side only). (Cayenne S Coupé: not standard for USA.) FA: https://eprel.ec.europa.eu/qr/488760 RA: https://eprel.ec.europa.eu/qr/488761
		Bridgestone Dueler H/P Sport N0 (asymmetrical, Inside/Outside, mounting on specified side only). (Reduced towing capacity (3,000 kg) for Cayenne PHEV vehicles in North America) (Cayenne S Coupé: not standard for USA.) FA: https://eprel.ec.europa.eu/qr/383306 RA: https://eprel.ec.europa.eu/qr/383348
	FA: 285/35 ZR 22 (106Y) XL RA: 315/30 ZR 22 (107Y) XL Cayenne S Coupé: not standard for USA.	Pirelli P Zero N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/595338 RA: https://eprel.ec.europa.eu/qr/595339
		Michelin Pilot Sport 4S N0 (Inside/Outside, mounting on specified side only.) FA: https://eprel.ec.europa.eu/qr/411390 RA: https://eprel.ec.europa.eu/qr/411934
		Yokohama ADVAN Sport V105 N0 (Inside/Outside, mounting on specified side only.) FA: https://eprel.ec.europa.eu/qr/578200 RA: https://eprel.ec.europa.eu/qr/578215
Cayenne Turbo Coupé, Cayenne Turbo S PHEV	FA: 285/40 ZR 21 (109Y) XL RA: 315/35 ZR 21 (111Y) XL	Pirelli P Zero N0 (asymmetrical, Inside/Outside, mounting on specified side only)

Coupé, Cayenne GTS Coupé		FA: https://eprel.ec.europa.eu/qr/595290 RA: https://eprel.ec.europa.eu/qr/595291
		Pirelli P Zero Corsa N0 (asymmetrical, Inside/Outside, mounting on specified side only, only for vehicles with PDCC up to week 25/19 and with PASM from week 25/19) FA: https://eprel.ec.europa.eu/qr/596002 RA: https://eprel.ec.europa.eu/qr/596001
		Hankook Ventus S1 evo3 SUV N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/488760 RA: https://eprel.ec.europa.eu/qr/488761
		Bridgestone Dueler H/P Sport N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/383306 RA: https://eprel.ec.europa.eu/qr/383348
	FA: 285/35 ZR 22 (106Y) XL RA: 315/30 ZR 22 (107Y) XL	Pirelli P Zero N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/595338 RA: https://eprel.ec.europa.eu/qr/595339
		Michelin Pilot Sport 4S N0 (Inside/Outside, mounting on specified side only.) FA: https://eprel.ec.europa.eu/qr/411390 RA: https://eprel.ec.europa.eu/qr/411934
		Yokohama ADVAN Sport V105 N0 (Inside/Outside, mounting on specified side only.) FA: https://eprel.ec.europa.eu/qr/578200 RA: https://eprel.ec.europa.eu/qr/578215

Winter Tires:

Model	Tire sizes	Tire make and type / label value (link to EU database)
Cayenne Basic Coupé, Cayenne S Coupé, Cayenne PHEV Coupé	FA: 275/45 R 20 110V XL RA: 305/40 R 20 112V XL	Michelin Pilot Alpin 5 SUV N0 (symmetrical, directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/412256 RA: https://eprel.ec.europa.eu/qr/411641
		Continental WinterContact TS830 P N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/481546 RA: https://eprel.ec.europa.eu/qr/482563
		Pirelli Scorpion Winter N0 (symmetrical, directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/595714 RA: https://eprel.ec.europa.eu/qr/595715
	FA: 275/40 R 21 107V XL RA: 305/35 R 21 109V XL	Pirelli Scorpion Winter N0 (symmetrical, directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/595566 RA: https://eprel.ec.europa.eu/qr/595567
		Michelin Pilot Alpin 5 SUV N0 (directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/411986 RA: https://eprel.ec.europa.eu/qr/409048
		Continental WinterContact TS860 S N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/481372 RA: https://eprel.ec.europa.eu/qr/482689
Cayenne Turbo Coupé, Cayenne	FA: 275/45 R 20 110V XL	Michelin Pilot Alpin 5 SUV N0

Turbo S PHEV Coupé, Cayenne GTS Coupé	RA: 305/40 R 20 112V XL	(symmetrical, directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/412256 RA: https://eprel.ec.europa.eu/qr/411641
		Continental WinterContact TS830 P N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/481546 RA: https://eprel.ec.europa.eu/qr/482563
		Pirelli Scorpion Winter N0 (symmetrical, directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/595714 RA: https://eprel.ec.europa.eu/qr/595715
	FA: 275/40 R 21 107V XL RA: 305/35 R 21 109V XL	Pirelli Scorpion Winter N0 (symmetrical, directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/595566 RA: https://eprel.ec.europa.eu/qr/595567
		Michelin Pilot Alpin 5 SUV N0 (directional, direction of rotation-related mounting) FA: https://eprel.ec.europa.eu/qr/411986 RA: https://eprel.ec.europa.eu/qr/409048
		Continental WinterContact TS860 S N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/481372 RA: https://eprel.ec.europa.eu/qr/482689

All-Season Tires:

Model	Tire sizes	Tire make and type / label value (link to EU database)
Cayenne Basic Coupé, Cayenne S Coupé, Cayenne PHEV Coupé	FA: 275/45 R 20 110V XL RA: 305/40 R 20 112V XL	Michelin Pilot Sport A/S 3 N0 (Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/411508 RA: https://eprel.ec.europa.eu/qr/411127
		Pirelli Scorpion Verde A/S N1 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/594661 RA: https://eprel.ec.europa.eu/qr/595233
		Yokohama AVID GT S35 N0 (symmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/578219 RA: https://eprel.ec.europa.eu/qr/578225
	FA: 285/40 R 21 109V XL RA: 315/35 R 21 111V XL	Pirelli Scorpion Verde A/S N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/595231 RA: https://eprel.ec.europa.eu/qr/595232
		Continental ProContact TX N0 (symmetrical, Inside/Outside, mounting on specified side only) FA/RA: No offer in the EU
		Yokohama AVID GT S35 N0 (symmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/578230 RA: https://eprel.ec.europa.eu/qr/578235
Cayenne Turbo Coupé, Cayenne Turbo S PHEV	FA: 275/45 R 20 110V XL RA: 305/40 R 20 112V XL	Michelin Pilot Sport A/S 3 N0 (Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/411508

Coupé, Cayenne GTS Coupé		RA: https://eprel.ec.europa.eu/qr/411127
		Pirelli Scorpion Verde A/S N1 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/594661 RA: https://eprel.ec.europa.eu/qr/595233
		Yokohama AVID GT S35 N0 (symmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/578219 RA: https://eprel.ec.europa.eu/qr/578225
	FA: 285/40 R 21 109V XL RA: 315/35 R 21 111V XL	Pirelli Scorpion Verde A/S N0 (asymmetrical, Inside/Outside, mounting on specified side only). FA: https://eprel.ec.europa.eu/qr/595231 RA: https://eprel.ec.europa.eu/qr/595232
		Continental ProContact TX N0 (symmetrical, Inside/Outside, mounting on specified side only) FA/RA: No offer in the EU
		Yokohama AVID GT S35 N0 (symmetrical, Inside/Outside, mounting on specified side only) FA: https://eprel.ec.europa.eu/qr/578230 RA: https://eprel.ec.europa.eu/qr/578235

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.

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 permissable, 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.

Information

The relevant legal regulations must be observed in the export countries!

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.

Standard tire pressure

	Part load		Full load	
Cayenne Basic Coupé	**Front axle**	**Rear axle**	**Front axle**	**Rear axle**
19, 20, 21, 22-inch summer tires	2.4 bar (35 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)	2.8 bar (41 psi)
19, 20, 21-inch winter/all-season tires	2.4 bar (35 psi)	2.6 bar (38 psi)	2.6 bar (38 psi)	2.8 bar (41 psi)

	Part load		Full load	
Cayenne PHEV Coupé	**Front axle**	**Rear axle**	**Front axle**	**Rear axle**
19, 20, 21-inch summer tires	2.6 bar (38 psi)	2.7 bar (39 psi)	2.8 bar (41 psi)	3.0 bar (44 psi)
22-inch summer tires	2.6 bar (38 psi)	2.7 bar (39 psi)	2.8 bar (41 psi)	3.1 bar (45 psi)
19, 20, 21-inch winter / all-season tires	2.6 bar (38 psi)	2.7 bar (39 psi)	2.8 bar (41 psi)	3.0 bar (44 psi)

	Part load		Full load	
Cayenne Turbo Coupé, Cayenne GTS Coupé	**Front axle**	**Rear axle**	**Front axle**	**Rear axle**
21-inch summer tires	2.6 bar (38 psi)	2.6 bar (38 psi)	2.7 bar (39 psi)	2.9 bar (42 psi)
22-inch summer tires	2.7 bar (39 psi)	2.8 bar (41 psi)	2.9 bar (41 psi)	3.3 bar (48 psi)
20, 21-inch winter / all-season tires	2.6 bar (38 psi)	2.6 bar (38 psi)	2.7 bar (39 psi)	2.9 bar (42 psi)

	Part load		Full load	
Cayenne Turbo S PHEV Coupé	**Front axle**	**Rear axle**	**Front axle**	**Rear axle**
21-inch summer tires	2.8 bar (41 psi)	2.8 bar (41 psi)	3.0 bar (44 psi)	3.2 bar (46 psi)
22-inch summer tires	3.0 bar (44 psi)	3.1 bar (45 psi)	3.1 bar (45 psi)	3.4 bar (49 psi)
21-inch winter / all-season tires	2.8 bar (41 psi)	3.0 bar (44 psi)	3.0 bar (44 psi)	3.3 bar (48 psi)

WARNING

Driving at high speed with low tire pressure can cause irreparable damage to tires.

⇒ **Set Comfort air pressure for tires only on vehicles with Tire Pressure Monitoring System (TPMS) and “Comfort” selected in the "Tire pressure" main menu in the multi-function display.**

Information

The permitted speed threshold for Comfort tire pressure depends on the vehicle's country equipment (c-option) and cannot be selected.

Comfort tire pressure up to 160 km/h (100 mph):

Comfort tire pressure up to 160 km/h (100 mph)

For vehicles with "Comfort pressure" selected in the Tire Pressure Monitoring (TPM) system and speed threshold "160 km/h" ("100 mph").

	Front axle	Rear axle
Cayenne Basic Coupé, Cayenne S Coupé **19, 20, 21-inch summer/winter-/all-season tires**	2.2 bar (32 psi)	2.4 bar (35 psi)
Cayenne Turbo S PHEV Coupé, 21-inch summer/winter-/all-season tires	2.6 bar (38 psi)	2.7 bar (39 psi)
Cayenne Turbo S PHEV Coupé, 22-inch summer/winter-/all-season tires	2.7 bar (39 psi)	2.9 bar (41 psi)
Cayenne Turbo Coupé, Cayenne GTS Coupé, 21-inch summer/winter-/all-season tires	2.4 bar (35 psi)	2.4 bar (35 psi)

	Front axle	Rear axle
Cayenne Turbo Coupé, Cayenne GTS Coupé, 22-inch summer / winter- / all-season tires	2.6 bar (38 psi)	2.7 bar (39 psi)
Cayenne PHEV Coupé 19, 20, 21-inch summer / winter- / all-season tires	2.4 bar (35 psi)	2.5 bar (36 psi)

Comfort tire pressure up to 270 km / h (165 mph):

Comfort tire pressure for summer tires up to 270 km / h (165 mph)

– Only for c-options C00, C05, C07, C09, C10, C11, C12, C13, C16, C, 19, C20, C21, C22, C26, C27, C28, C32, C46, C98, C99

	Front axle	Rear axle
Cayenne Turbo S PHEV Coupé 21-inch summer tires	2.6 bar (38 psi)	2.7 bar (39 psi)
Cayenne Turbo S PHEV Coupé 22-inch summer tires	2.7 bar (39 psi)	2.9 bar (41 psi)
Cayenne Turbo Coupé 22-inch summer tires	2.6 bar (38 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	Porsche Part No.
for all winter and all-season — RA only 21-inch all-season tires are not approved for installing snow chains	9Y0.044.690.A

Snow-chain clearance is only guaranteed for the tires specified above. Can only be installed on the rear wheels.

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.

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.

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