

Approved Wheel, Tires and Wheel Spacers (06/18)

Revision: This bulletin replaces bulletin Group 4, #2/16, dated March 31, 2016.

Model Year: **As of 2011 up to 2014**

Vehicle Types: **Cayenne/Cayenne Diesel/Cayenne S/Cayenne GTS/Cayenne S Hybrid/Cayenne Turbo/Cayenne Turbo S**

Concern: Current approval status: January 2018



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:

Size	Tire make and type	Notes
255/55 R 18 109Y XL	Continental SportContact 3 NO (Inside/Outside)	Not for vehicles with PCCB
	Michelin Latitude Sport N1 (Inside/Outside)	Not for Cayenne Turbo/Cayenne Turbo S
265/50 R 19 110Y XL	Goodyear Eagle F1 Asymmetric NO (Inside/Outside)	Not for Cayenne GTS/Cayenne Turbo/Cayenne Turbo S vehicles fitted with PCCB
	Pirelli P-Zero NO (Inside/Outside)	
275/45 R 20 110Y XL	Michelin Latitude Sport NO (Inside/Outside)	
	Yokohama Advan Sport NO (Inside/Outside)	
295/35 R 21 107Y XL	Michelin Latitude Sport N1 (Inside/Outside)	
	Pirelli P-Zero N1 (Inside/Outside)	
	Yokohama Advan Sport N1 (Inside/Outside)	

Winter Tires:

Size	Tire make and type	Notes
255/55 R 18 109V XL M+S	Dunlop SP Winter Sport 3D N0 (Rotation)	Not for vehicles with PCCB Not for Cayenne Turbo/Cayenne Turbo S
	Michelin Latitude Alpin GreenX N1 (Inside/Outside)	
	Pirelli Scorpion Ice + Snow N1 (Inside/Outside)	
	Michelin Latitude Alpin HP N0 (Inside/Outside)	
265/50 R 19 110V XL M+S	Dunlop SP Winter Sport 3D N0 (Rotation)	Not for Cayenne GTS/Cayenne Turbo/Cayenne Turbo S vehicles fitted with PCCB
	Pirelli Scorpion Ice + Snow N0 (Inside/Outside)	
275/45 R 20 110V XL M+S	Dunlop SP Winter Sport 3D N0 (Rotation)	
	Pirelli Scorpion Ice + Snow N0 (Inside/Outside)	

All-Season Tires:

Size	Tire make and type	Notes
255/55 R 18 109V XL M+S	Continental CrossContact LX Sport N0 (Inside/Outside)	Not for vehicles with PCCB Not for Cayenne Turbo/Cayenne Turbo S
	Goodyear Eagle LS2 N1	
	Michelin Latitude Tour HP GreenX N1	
265/50 R 19 110V XL M+S	Goodyear Eagle LS2 N0	Not for Cayenne GTS/Cayenne Turbo/Cayenne Turbo S vehicles fitted with PCCB
	Michelin Latitude Tour HP GreenX N0	
	Pirelli Scorpion Verde All Season N0	
275/45 R 20 110V XL M+S	Continental CrossContact LX Sport N0 (Inside/Outside)	
	Goodyear Eagle LS2 N0	
	Pirelli Scorpion Verde All Season N0	



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. Only tires of the same make and type, with the same speed index and the same specification code may be used on a vehicle.

The tire makes and types tested and approved by Porsche are only "XL" (Extra Load) tires.

Instructions for correct mounting of the tires are also given on the tire sidewall.

- Arrow with inscription "Rotation" = directional mounting.
- "Inside/Outside" inscription = mounting on specified side only.
- Arrow with both inscriptions "Rotation" and "Inside/Outside" = 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 new rubber valves at every tire change.**
- ⇒ **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. **68° F/20°C**). The tire pressures must never be lower than the specified values.

Standard tire pressure for summer tires

Wheel size	Cayenne/Cayenne Diesel Cayenne S/Cayenne S Hybrid/Cayenne GTS				Cayenne Turbo/Cayenne Turbo S			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18-inch	2.6 bar (37 psi)	2.9 bar (42 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)				
19-inch/ 20-inch	2.6 bar (37 psi)	2.9 bar (42 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)	2.6 bar (37 psi)	2.9 bar (42 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)
21-inch	2.6 bar (37 psi)	2.9 bar (42 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)	2.6 bar (37 psi)	2.9 bar (42 psi)	2.7 bar (39 psi)	3.2 bar (46 psi)

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

Wheel size	Cayenne/Cayenne Diesel Cayenne S/Cayenne S Hybrid/Cayenne GTS				Cayenne Turbo/Cayenne Turbo S			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18-inch	2.4 bar (34 psi)	2.7 bar (39 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)				
19-inch/ 20-inch/ 21-inch	2.4 bar (34 psi)	2.7 bar (39 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)	2.4 bar (34 psi)	2.7 bar (39 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)

Standard tire pressure for winter and all-season tires

Wheel size	Cayenne/Cayenne Diesel Cayenne S/Cayenne S Hybrid/Cayenne GTS				Cayenne Turbo/Cayenne Turbo S			
	Part load		Full load		Part load		Full load	
	FA	RA	FA	RA	FA	RA	FA	RA
18-inch	2.4 bar (34 psi)	2.7 bar (39 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)				
19-inch/ 20-inch	2.4 bar (34 psi)	2.7 bar (39 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)	2.4 bar (34 psi)	2.7 bar (39 psi)	2.6 bar (37 psi)	3.2 bar (46 psi)

Sizes: Permissible tire and wheel sizes (RO = rim offset in mm):

Item	Tires	Wheels	Notes
A	255/55 R 18 109Y XL	8 J x 18 H2, RO 53	Not for Cayenne Turbo/Turbo S Not for vehicles with PCCB Only summer tires Snow chains cannot be fitted
B	255/55 R 18 109V XL M+S	8 J x 18 H2, RO 53	Not for Cayenne Turbo/Turbo S Not for vehicles with PCCB Only winter tires and all-season tyres Snow chains can be fitted
C	255/55 R 18 109V XL M+S	8 J x 18 H2, RO 57	Not for Cayenne Turbo/Turbo S Not for vehicles with PCCB Only winter tires Snow chains can only be fitted on rear axle
D	265/50 R 19 110Y XL	8.5 J x 19 H2, RO 59	Not for Cayenne GTS/Turbo/Turbo S vehicles fitted with PCCB Only summer tires Snow chains cannot be fitted
E	265/50 R 19 110V XL M+S	8.5 J x 19 H2, RO 59	Not for Cayenne GTS/Turbo/Turbo S vehicles fitted with PCCB Only winter tires and all-season tires Snow chains can only be fitted on rear axle
F	265/50 R 19 110V XL M+S	9 J x 19 H2, RO 60	Not for Cayenne GTS/Turbo/Turbo S vehicles fitted with PCCB Only winter tires Snow chains can only be fitted on rear axle
G	275/45 R 20 110Y XL	9 J x 20 H2, RO 57	Only summer tires Snow chains cannot be fitted
H	275/45 R 20 110V XL M+S	9 J x 20 H2, RO 57	Only winter tires and all-season tires Snow chains can only be fitted on rear axle

Item	Tires	Wheels	Notes
I	275/45 R 20 110V XL M+S	9 J x 20 H2, RO 60	Only winter tires Snow chains can only be fitted on rear axle
J	275/45 R 20 110Y XL	9.5 J x 20 H2, RO 47	Only summer tires Snow chains cannot be fitted Only with wheel arch extensions
K	275/45 R 20 110V XL M+S	9.5 J x 20 H2, RO 47	Only winter tires and all-season tires Snow chains cannot be fitted Only with wheel arch extensions
L	295/35 R 21 107Y XL	10 J x 21 H2, RO 50	Only summer tires Snow chains cannot be fitted Only with wheel arch extensions

NOTICE**Fitting snow chains on vehicles with wheel spacers**

- Risk of damage to the wheel arches

⇒ **Always remove wheel spacers from the rear axle in order to fit snow chains.**

5-mm wheel spacers: The **front and rear axle can be fitted with 5-mm wheel spacers, Part No. 958.044.500.00 (set)**, for the **wheel/tyre combinations A – L** listed in the table above.

When used together with wheels sizes 9.5 J x 20, RO 47 and 10 J x 21 H2, RO 50, the vehicle must meet one of the following requirements before 5-mm wheel spacers can be fitted:

- Wheel arch extensions are installed
- SportDesign package is installed

17-mm wheel spacers: The **rear axle can be fitted with 17-mm wheel spacers, Part No. 955.044.600.23 (set)**, for the **wheel/tyre combinations A – I** listed in the table above. The use of 17-mm wheel spacers is **not approved for the wheel sizes 9.5 J x 20, RO 47 and 10 J x 21 H2, RO 50**.

Generally, the vehicle must meet one of the following requirements before wheel spacers can be fitted:

- Wheel arch extensions are installed
- SportDesign package is installed

WARNING

Wheel electronics units not detected, incorrectly secured or loose on vehicles without Tire Pressure Monitoring (TPM)

- Risk of damage to wheels and/or tires

- **Uncontrollable vehicle handling**

⇒ **Do not mount wheels with wheel electronics units on vehicles without TPM.**

Wheels:

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

Identification on the inside/outside of the wheel disc:

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



Information

Only fit wheels with identical part numbers on one axle.

8 J x 18 H2, RO 53

Part No. 958.362.136.00.01
and 7P5.601.025/.T



18-inch Cayenne II wheel

8 J x 18 H2, RO 53

Part No. 958.362.136.20
and 7P5.601.025.AB



18-inch Cayenne wheel

8 J x 18 H2, RO 53

Part No. 958.362.144.00/.01
and 7P5.601.025.D



18-inch Cayenne S III wheel

8 J x 18 H2, RO 57

Part No. 955.362.136.40
and 7L5.601.025.R



18-inch Cayenne S II wheel

8 J x 18 H2, RO 53

Part No. 958.362.144.20
and 7P5.601.025.AC



18-inch Cayenne S wheel

8 J x 18 H2, RO 57

Part No. 955.362.136.50
and 7L5.601.025.S



18-inch Cayenne Turbo II wheel

8.5 J x 19 H2, R0 59

Part No. 958.362.138.00/.10
and 7P5.601.025.A



19-inch Cayenne Turbo III wheel

8.5 J x 19 H2, R0 59

Part No. 958.362.138.20
and 7P5.601.025.AD



19-inch Cayenne Turbo wheel

8.5 J x 19 H2, RO 59

Part No. 958.362.146.00/.10
and 7P5.601.025.E/.AG



19-inch Cayenne Design II wheel

9 J x 19 H2, RO 60

Part No. 955.362.138.30/.20
and 7L5.601.025.L/.B ¹



19-inch Cayenne Design wheel

8.5 J x 19 H2, RO 59

7P5.601.025.BE



19-inch Sport Classic II wheel

9 J x 20 H2, RO 57

Part No. 958.362.140.00/.10
and 7P5.601.025.B/.AF



20-inch Cayenne SportDesign II wheel

9 J x 20 H2, RO 57

Part No. 958.362.148.00
and 7P5.601.025.F/.Q/.S/.AH

or

9.5 J x 20 H2, RO 47

Part No. 958.362.151.00
and 7P5.601.025.N/.R



20-inch RS Spyder wheel

9 J x 20 H2, RO 60

Part No. 955.362.140.90
and 7L5.601.025.K/.AB



20-inch Sport Techno wheel

9 J x 20 H2, RO 60

Part No. 955.362.140.70/.80
and 7L5.601.025.M/.N ³



20-inch Sport Design wheel

10 J x 21 H2, RO 50 ⁵

Part No. 958.362.142.00/.01
and 7P5.601.025.M/.C



21-inch 911 Turbo II wheel

10 J x 21 H2, RO 50⁵

Part No. 958.362.142.20
and 7P5.601.025.AE



21-inch 911 Turbo Design wheel

10 J x 21 H2, RO 50 ⁵

Part No.

958.362.150.00/.01 or

958.362.152.00

and

7P5.601.025.H/.L or

7P5.601.025.J/.K



21-inch Sport Edition wheel

10 J x 21 H2, RO 50 ⁵

Part No. 958.362.154.00

and 7P5.601.025.BD/.BK



21-inch Sport Classic II wheel

- 1 Cannot be fitted together with wheel 955.362.138.20 (7L5.601.025B)
- 2 Cannot be fitted together with wheel 955.362.138.30 (7L5.601.025L)
- 3 Cannot be fitted together with wheel 955.362.140.80 (7L5.601.025N)
- 4 Cannot be fitted together with wheel 955.362.140.70 (7L5.601.025M)
- 5 Only with wheel arch extensions



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 180 Nm (133 ftlb.)**



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.**



Fitting snow chains on vehicles with wheel spacers

- **Risk of damage to the wheel arches**
- ⇒ **Always remove wheel spacers from the rear axle in order to fit snow chains.**

Snow Chains: The best possible handling characteristics are achieved with 18-inch tires when snow chains are fitted on all four wheels of the vehicle. Snow chains can only be fitted on one axle. On vehicles with 19-inch and 20-inch tires, snow chains can only be fitted on the rear axle.
 Only use snow chains together with all-season or winter tires.

Porsche offers the following snow chains as accessories:

Tire size	Porsche part no.	Type of snow chain
255/55 R 18	958.044.600.13	Link-type chain, quick fit
265/50 R 19 275/45 R 20 – only for wheels 9 J x 20, RO 57/60	958.044.600.14 ⁶	Link-type chain, quick fit

⁶ Only permitted on rear axle

- 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.
Complete wheels can be stacked for storage; we recommend that you increase the tire pressure by approx. 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. 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.

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