

**Approved: Tires, Wheels and Spacers. All-Terrain Tires (13/23)**



**Information**

The collapsible spare tires listed here must only be installed on the relevant spare wheel. Do not accelerate sharply or drive at high speed around bends when driving with a collapsible spare wheel installed. The **highest permissible speed is 80 km/h (50 mph)**. This speed must not be exceeded due to modified driving characteristics and in order to reduce the amount of wear.

Observe relevant instructions in the Owner's Manual.

Revision: This bulletin replaces bulletin Group 1 39/22, dated October 7, 2022.

Model Year: **As of 2003 up to 2010**

Vehicle Types: **Cayenne / Cayenne S / Cayenne Turbo / Cayenne GTS / Cayenne Diesel / Cayenne S Transsyberia / not for vehicles with PCCB**

Information: Current approval status: September 2022



**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.**

All-Terrain Tires: All-terrain tires are generally designed for use on and off paved roads and may have disadvantages on the road compared to road-only tires. The country-specific regulations for driving off paved roads must be observed.

Size	Tire make and type / Label value (Link to EU database)	Notes
265/60 R 18 119/116 S	BF Goodrich All-Terrain T/A KO2 EPREL link to EU database currently not available <b>This is a tire recommendation, not a N-specification</b> <b>Wheel clearance and speedometer deviation must be checked individually during assembly</b>	no snow chains <b>Not</b> for Cayenne Turbo with engine power kit and Cayenne Turbo S as well as Cayenne Turbo as of model year 2009

Size	Tire make and type / Label value (Link to EU database)	Notes
	<b>Tires must be entered in the vehicle documents – please familiarize yourself with national legislation</b>	<b>Not</b> for vehicles with PCCB, I-no. PB1



**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.

Tire speed ranges (speed index) in km/h (mph):

S	T	H	V	W	Y
max. 180 (112)	max. 190 (118)	max. 210 (130)	max. 240 (149)	max. 270 (167)	max. 300 (186)



**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 must not be carried out on "V", "W", "Y" and "ZR" tires and inner tubes must not be used in tubeless tires. Please advise your customers accordingly.

If temperatures fall to below **45° F./7°C**, we recommend that you always install winter tires on the vehicle because the vehicle handling features of summer tires are not as good 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: **Cayenne (V6) / Cayenne Diesel**

Tire type	Partial load <sup>1</sup> FA / RA	Full load FA / RA
All – Terrain	2.4 bar / 2.7 bar (35 psi/39 psi)	2.7 bar / 3.4 bar (39 psi/49 psi)

<sup>1</sup> approx. **225 kg**; according to the EU framework guideline, this corresponds to 3 persons + **21 kg** luggage.

**Cayenne S/Cayenne S Transsyberia / Cayenne GTS**

Tire type	Partial load <sup>2</sup> FA / RA	Full load FA / RA
All – Terrain	2.4 bar / 2.7 bar (35 psi/39 psi)	2.7 bar / 3.4 bar (39 psi/49 psi)

<sup>2</sup> approx. **225 kg**; according to the EU framework guideline, this corresponds to 3 persons + **21 kg** luggage.

**Cayenne Turbo up to model year: 2008**

Tire type	Partial load <sup>3</sup> FA / RA	Full load FA / RA
All – Terrain	2.6 bar / 2.9 bar (38 psi/42 psi)	2.7 bar / 3.4 bar (39 psi/49 psi)

<sup>3</sup> approx. **225 kg**; according to the EU framework guideline, this corresponds to 3 persons + **21 kg** luggage.



### Information

The specified air pressures apply only to the tire makes and types approved by Porsche (including all tire types: winter, all-terrain, all-season and summer) and are specified for cold tires (approx. **68° F/20°C**). In vehicles with a tire pressure monitoring system, use the rocker switch to select the type of load on the on-board computer via "Main menu > Tire pressure > Settings > Load".

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

Tires	Wheels	Notes
265/60 R 18 119/116 S	8 J x 18, RO 57	no snow chains <b>Not</b> for Cayenne Turbo with engine power kit and Cayenne Turbo S as well as Cayenne Turbo as of model year 2009 <b>Not</b> for vehicles with PCCB, I-no. PB1



**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:



**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.

**Overview of Porsche wheels for all-terrain tires**

Identification on the inside/outside of the wheel disc:

wheel size, rim offset (RO) in mm, order or part number and Porsche logo  
(the order number is not attached to the component).

8 J x 18, RO 57

Part No.

955362136509A1

955.362.136.51

7L5.601.025.CE



*955362136509A1*

8 J x 18, RO 57

Part No.

955362136109A1

955.362.136.11

7L5.601.025.BM



*955362136109A1*

8 J x 18, R0 57  
Part No.  
955362136309A1  
955.362.136.31  
7L5.601.025.BR



*955362136309A1*

8 J x 18, R0 57

Part No.  
PCG36213641 (Matt Black with Porsche  
engraving)

7L5.601.025.R



*PCG36213641*

8 J x 18, R0 57

Part No.  
955362136409A1 (silver)

955.362.136.41

7L5.601.025.CD



*955362136409A1*

**⚠ 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 mounting: **Tightening torque 160 Nm (118 ftlb.)**

Removing/  
Installing: Before mounting or removing a wheel, screw the assembly aids (threaded bolts for wheel mounting, Part No. WHT.001.963) into the wheel hub instead of the two wheel bolts. Only then should you remove the three remaining wheel bolts and remove the wheel carefully, without touching the brake discs. The wheels are secured with standard wheel bolts (M14 x 1.5 x 51), Part No. 955.361.203.01. Never grease the wheel bolts. Only "original Cayenne wheel bolts" may be used! Install wheel bolts and tighten evenly in diagonally opposite sequence. Start at the top when tightening.

References: ⇒ *Workshop Manual '44 Wheels and tyres'*  
⇒ *Workshop Manual '440519 Removing and fitting wheel'*  
⇒ *Workshop Manual '44 General information on Tyre Pressure Monitoring (TPM)'*

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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