

Technical Bulletin

Model

All

Group

4

Subject: Summer Tire/Wheel Rim Summary

Part Identifier

4405

Number

9104

ATTENTION: Service Manager/Service Technician

Models Affected:

All

General Information:

The following contains the latest summer tire and wheel rim recommendations for Porsche vehicles. For general information on mounting, balancing and tire care, refer to Technical Bulletin Group 4, Number 8813 and the Workshop Manual.

N0, N1 or N2 Specification Numbers

The specification numbers are cast in the side wall next to the tire type casting. N0, N1 and N2 tires must not be mixed on one vehicle, even if they are the same make tires.

Only tires recommended in the latest Porsche approved tire listing should be used when replacing all tires on a vehicle.

When replacing only one tire, the tread depth difference should not exceed 30% on one axle.

Important:

The 17 inch wheels are double hump rims. The wheel's inner hump is the "normal" design used on other Porsche wheels, but the outer hump is asymmetrical. The asymmetrical hump prevents a flat tire from moving off the wheel rim. This provides improved control for safely stopping the car. So long as the tire sidewall is not damaged, the car can be driven, **with extreme caution**, a short distance to a safe place to change the tire.

When breaking the tire bead on these wheels, start at the tire valve. When mounting the tire, start the outside bead on the wheel in the area opposite the valve stem.

Note: When installing 17 inch wheels, the color coded wheel stud (and wheel lock) should be indexed **opposite** the tire valve.

Tire pressures are only applicable for Porsche approved tire makes and types. Measure tire pressure only when the tire is cold (approx. 20°C or 68°F). **Do not under inflate tires.** Air pressure increases as the tires get hotter. This increased pressure must not be reduced.

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Part Identifier
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Models Affected: 924S, 944, 944 turbo, 944S and 944 S2

Tire Pressures

Vehicle Type	Front Axle	Rear Axle
924S, 944, 944S	2.0 bar (29psi)	2.5 bar (36psi)
944t, 944 S2 (except 1990 models)	2.5 bar (36psi)	2.5 bar (36psi)
944 S2, 1990	2.5 bar (36psi)	3.0 bar (44psi)

Porsche approved tire and wheel dimensions for 944 turbo S, 944 turbo '89 and 944 S2:

Vehicle Type	Rim Size	Tire Size	Remarks
944 S2	7J x 16 H2 Front	205/55 R 16	
	8J x 16 H2 Rear	225/50 R 16	No chain clearance
944 S2 Coupe with sport suspension M030	7J x 16 H2 or 7½J x 16 H2 Front	225/50 R 16	
	9J x 16 H2 Rear	245/45 R 16	No chain clearance
turbo S and turbo	7J x 16 H2 or 7½J x 16 H2 Front	225/50 R 16	
	9J x 16 H2 Rear	245/45 R 16	No chain clearance

Porsche approved summer tires for 924S, 944, 944S, 944 S2, 944 turbo:

Tire Make and Type	195/65 ZR 15	215/60 ZR 15
Bridgestone RE 71 N0	X	X
Continental CZ 51 N0	X	X
Dunlop SP Sport D 40 N0		X
Fulda Y 2000 N0		X
Semperit Hi Speed N0	X	
Yokohama Z 008 P N0	X	X

	205/55 ZR 16 225/50 ZR 16	225/50 ZR 16 245/45 ZR 16
BF Goodrich Comp T/A N0 or T/A ZR N0	X	X
Bridgestone RE 71 N0		X*
Bridgestone RE 71 N1	X	X
Goodyear Eagle ZR 50 or ZR 45 N0		X*
Michelin MXX N0	X	X
Pirelli P 700-Z N0	X	X
Yokohama A 008 P N0	X	X

*Only for 88 turbo S and 89 turbo

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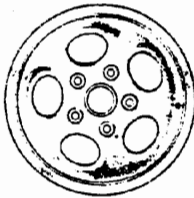
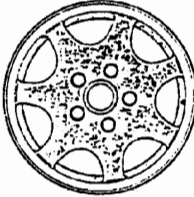
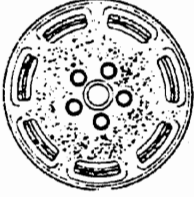
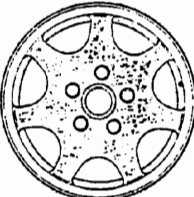
Part Identifier

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Wheel Rim summary for summer tires, 944 turbo S, 944 turbo '89 and 944 S2:

Rim Design	Rim Dimension	Offset	Porsche P/N	944 S2	944 t
Cast Aluminum 	7 J x 16 8 J x 16	52.3mm 52.3mm	951 362 114 01 951 362 116 01	x x	
Cast Aluminum "Design 90" 	7 J x 16 7½ J x 16 8 J x 16 9 J x 16	55.0mm 65.0mm 52.3mm 52.3mm	964 362 114 01 928 362 114 05 964 362 116 01 928 362 118 02	x x ¹ x x ¹	x x
Forged Aluminum 	7 J x 16 8 J x 16	52.3mm 52.3mm	944 362 115 00 944 362 115 01 928 362 117 00 928 362 117 01	x x x x	
Forged Aluminum 	7 J x 16 9 J x 16	65.0mm 60.0mm	951 362 115 30 928 362 119 30	x ¹ x ¹	x x

¹ Only 944 S2 with M30 sport suspension

Note: When replacing a rear fender on 944 turbo S, 944 turbo '89 or 944 S2 with M30 sport suspension, see Technical Bulletin Group 5, Number 8801.

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Subject: Summer Tire/Wheel Rim Summary

Part Identifier
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Model Affected: 968

Tire Pressure

Vehicle Type

968

Rim Size

16 and 17 inch

Front Axle

2.5 bar (36 psi)

Rear Axle

2.5 bar (36 psi)

Porsche Approved Tire and Wheel Dimensions

Tire Size	Rim Size	Offset	Axle	Remarks
205/55 R 16	7J x 16H2	52.3/55.0mm	front	
225/50 R 16	8J x 16H2	52.3mm	rear	Chain clearance
225/45 R 17	7½J x 17AH	65.0mm	front	
255/40 R 17	9J x 17AH	55.0mm	rear	Check tire clearance No chain clearance

Porsche Approved Summer Tires

Tire Make and Type	205/55 ZR 16 and 225/50 ZR 16	225/45 ZR 17 and 245/40 ZR 17
Bridgestone RE 71 N1	X	
Bridgestone Expedia S-01 N0		X
Goodyear Eagle GSD N2	X	
Michelin MXX 3 N0		X
Pirelli P700-Z N1	X	
Pirelli P700-Z N0		X
Yokohama A-008 P N0	X	X

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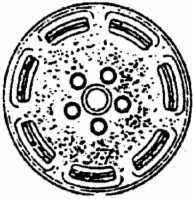
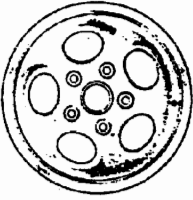
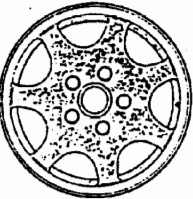
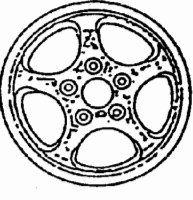
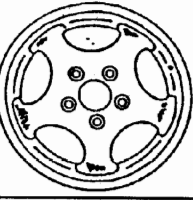
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Subject: Summer Tire/Wheel Rim Summary

Part Identifier
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Number
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Wheel Rim summary for summer tires, 968:

Rim Design	Rim Dimension	Offset	Porsche P/N
Forged Aluminum 	7 J x 16 H2 8 J x 16 H2	52.3mm 52.3mm	944 362 115 00 944 362 115 01 928 362 117 00 928 362 117 01
Cast Aluminum 	7 J x 16 H2 8 J x 16 H2	52.3mm 52.3mm	951 362 114 01 951 362 116 01
Cast Aluminum 	7 J x 16 H2 8 J x 16 H2	55.0mm 52.3mm	964 362 114 01 964 362 116 01
Cast Aluminum 	7 J x 16 AH 8 J x 16 AH	55.0mm 52.0mm	944 362 114 00 944 362 116 00
Cast Aluminum 	7½ J x 17 AH 9 J x 17 AH	65.0mm 55.0mm	965 362 124 05 965 362 128 00

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Models Affected: 912, 911 all, 911 Carrera, 911 turbo —'89 (K)
911 turbo Look
911 Carrera 2/4, 911 turbo, '91— (M) and 911 Carrera 2 Cabriolet
"American Roadster" '92 (N)

Tire Pressures

Vehicle Type	Wheel Size	Front Axle	Rear Axle
912/911 All 911 Carrera	15 and 16 inch	2.0 bar (29 psi)	2.5 bar (36 psi)
911 turbo —'89 (K) 911 Carrera "turbo Look"	16 inch	2.0 bar (29 psi)	3.0 bar (44 psi)
911 Carrera 2/4	16 inch	2.5 bar (36 psi)	3.0 bar (44 psi)
911 Carrera 2/4	17 inch	2.5 bar (36 psi)	2.5 bar (36 psi)
911 turbo from '91 (M)	17 inch	2.5 bar (36 psi)	2.5 bar (36 psi)
911 Carrera 2 Cabriolet "American Roadster"	17 inch	2.5 bar (36 psi)	2.5 bar (36 psi)
'92 (N)		2.5 bar (36 psi)	2.5 bar (36 psi)

Porsche Approved Tire and Wheel Dimensions

911 Carrera 2 and 911 Carrera 4

Tire Size	Rim Size	Offset	Axle	Remarks
205/55 R 16	6J x 16 H2	52.3mm	front	
225/50 R 16	8J x 16 H2	52.3/52.0mm	rear	Chain clearance
205/55 R 16	7J x 16 H2	55.0mm	front	M1 modification (see below)
245/45 R 16	9J x 16 H2	52.3mm	rear	Check tire clearance No chain clearance
205/50 R 17	7J x 17 AH	55.0mm	front	M1 and M2 modification (see below)
255/40 R 17	8J x 17 AH	52.0mm	rear	Check tire clearance No chain clearance

911 turbo from '91 and 911 Carrera 2 Cabriolet "American Roadster" from '92

205/50 R 17	7J x 17 AH	55.0mm	front	
255/40 R 17	9J x 17 AH	55.0mm	rear	No chain clearance

M1 = Replace left and right steering stop washers with washers Part Number: 964 347 325 02
Refer to Technical Bulletin Group 4, Number 9106

M2 = The bumper cover plastic edge should protrude slightly in the bumper cover to fender joint area.
If the fender metal edge protrudes, the metal edge should be reworked. Refer to Technical
Bulletin Group 4, Number 9106.

Modification M1 and M2 are not applicable to vehicles from Model Year '92 (N).

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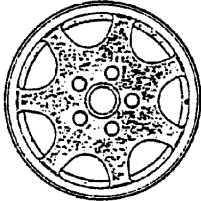
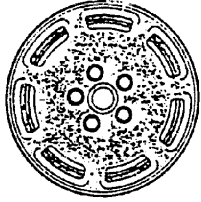
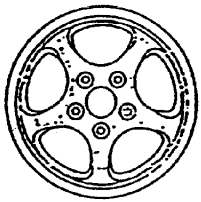
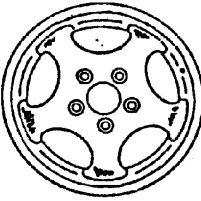
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Number

9104

Wheel Rim summary for summer tires: 911 Carrera 2/4, all model years
 911 turbo from model year '91 (M)
 911 Carrera 2 Cabriolet
 "American Roadster" model year '92 (M)

Rim Design	Rim Dimension	Offset	Porsche P/N
Cast Aluminum 	6 J x 16 H2 7 J x 16 H2 8 J x 16 H2 9 J x 16 H2	52.3mm 55.0mm 52.3mm 52.3mm	964 362 112 01 964 362 114 01 964 362 116 01 928 362 118 02
Forged Aluminum 	6 J x 16 H2 8 J x 16 H2	52.3mm 52.3mm	944 362 113 00 944 362 113 01 928 362 117 00 928 362 117 01
Cast Aluminum 	6 J x 16 H2 8 J x 16 H2	52.3mm 52.0mm	944 362 112 00 944 362 116 00
Cast Aluminum 	6 J x 17 AH 8 J x 17 AH 9 J x 17 H2	55.0mm 52.0mm 55.0mm	965 362 124 00 965 362 126 00 965 362 128 00

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Listed below are summer tire dimensions and makes presently approved by Porsche.

912, 911 all, 911 Carrera
911 turbo and "turbo Look" —'89 (K)

Tire Make and Type	195/65 ZR 15 and 215/60 ZR 15	205/55 ZR 17 and 225/50 ZR 16	205/55 ZR 16 and 245/45 ZR 16
Bridgestone RE 71 N0	X		
Bridgestone RE 71 N1		X	X
B.F. Goodrich Comp T /A N0 or T/A ZR N0		X	X
Dunlop SP Sport D40 N0		X	X
Goodyear Eagle ZR N1		X	
Goodyear Eagle GSD N2		X	
Goodyear Eagle NR N0			X
Pirelli P700-ZN1		X	
Pirelli P700-Z N0			X
Yokohama A-008 P N0		X	

911 Carrera 2, 911 Carrera 4 all model years
911 turbo from '91 (M), 911 Carrera 2 Cabriolet "American Roadster" from '92 (N)

Tire Make and Type	205/55 ZR 16 and 225/50 ZR 16	205/55 ZR 16 and 245/45 ZR 16	205/50 ZR 17 and 255/40 ZR 17
Bridgestone RE 71 N1	X	X	
Bridgestone Expedia S-01 N0			X
Goodyear Eagle GSD N2	X		
Michelin MXX 3 N0			X
Pirelli P700-Z N1	X		
Pirelli P700-Z N0			X
Yokohama A-008 P N0	X	X	X

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Subject: Summer Tire/Wheel Rim Summary

Part Identifier

4405

Number

9104

Models Affected: 928, 928S, 928 S4 and 928 GT

Tire Pressure

Vehicle Type

Front Axle

Rear Axle

928, 928S, 928 S4 and 928 GT

2.5 bar (36 psi)

3.0 bar (44 psi)

Porsche Approved Tire and Wheel Dimensions for 928 S4 and 928 GT, all model years

Tire Size

Rim Size

Remarks

928 S4

225/50 R 16

7J x 16 H2 or 7½J x 16 H2

front

245/45 R 16

8J x 16 H2

rear - No chain clearance

928 GT

225/50 R 16

7½J x 16 H2

front

245/45 R 16

9J x 16 H2

rear - No chain clearance

Porsche Approved Summer Tires for 928 S4 and 928 GT, all model years:

Tire Make and Type

225/55 ZR 16 and 245/50 ZR 16

BF Goodrich Comp T /A N0 or T/A ZR N0

X

Bridgestone RE 71 N1

X

Michelin MXX N0

X

Pirelli P700-ZN0

X

Yokohama A 008 P N0

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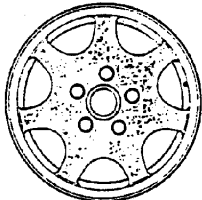
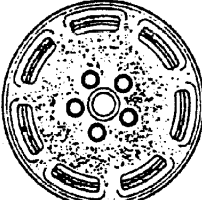
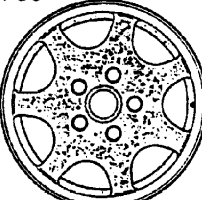
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Wheel Rim summary for summer tires, 928 S4 and 928 GT, all model years:

Rim Design	Rim Dimension	Offset	Porsche P/N
Forged Aluminum 	8 J x 16 9 J x 16	60.0mm 60.0mm	928 362 117 30 * 928 362 119 30 *
Forged Aluminum 	7 J x 16 (RDK) ** 8 J x 16 (RDK) **	65.0mm 52.3mm	928 362 155 00 928 362 155 01 928 362 157 00 928 362 157 01
Cast Aluminum "Design 90" 	7½ J x 16 (RDK) ** 9 J x 16 (RDK) **	65.0mm 52.3mm	928 362 154 05 928 362 158 02

* Only for '89 928 GT. Under no circumstances should these wheels be fitted to any other 928 series car.

** RDK = Tire pressure monitoring. Must be used from model year '90 (L)

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