

Volkswagen > A4 Platform > 1999 - 2005
Suspension, Wheels, Steering Front
44 - Wheel alignment

Wheel alignment specifications
Specifications for front axle with front and all-wheel drive

Overview of work procedure for measuring vehicle

The following work sequence must be adhered to!

1 - Check front axle camber and adjust if necessary

2 - Check rear axle camber.

- Vehicles with front wheel drive: Camber is not adjustable

Vehicles with all-wheel drive:

3 - Check rear axle toe and adjust if necessary.

- Vehicles with front wheel drive: The rear axle toe is not adjustable.

Vehicles with all-wheel drive: Toe is adjustable. Adjusting toe

4 - Check front axle toe angle and adjust if necessary

5 - Check which suspension is installed in vehicle. This information is found on the vehicle data sticker

* Camber corrections are not possible. Corrections are possible by moving the subframe slightly. Adjustment approx. 10' to 15'.

Front axle/Model	Suspension strut axle front and all-wheel drive Golf, Jetta, and Jetta Wagon			
	Basic suspension	Sport suspension	Sport suspension Golf GTI 132 kW	Heavy duty suspension
Suspension	1GA, 1GE, 1GJ, 1GU, 1GC, 1GG, G08, G09, G11, G27, G28, G29, G34, G36, G37, G38, G41, G44, G45, G46, G47, G49, G76,	1GD, 1GV, 1GT, G16, G72, G73, G75, G84, G86, G87, G88	G70	1GB, 1GW, G10, G39, G48, G93, G95

Front axle/Model	Suspension strut axle front and all-wheel drive Golf, Jetta, and Jetta Wagon			
	Basic suspension	Sport suspension	Sport suspension Golf GTI 132 kW	Heavy duty suspension
	G77, G80, G81, G82, G83			
	Explanation of PR. numbers can be found on page			
Camber (wheels not pressed)	0° 10'			
Camber ^{* See note} (wheels in straight ahead position)	-30' 30'	-33' 30'	-35' 30'	-16' 30'
Maximum permissible difference between both sides	max. 30'			
Toe out on turns 20° steering lock to left and right	-1° 30' 20'	-1° 31' 20'	-1° 32' 20'	-1° 27' 20'
Caster (not adjustable)	+7° 40' 30'	+7° 50' 30'	+8° 30'	+7° 15' 30'
Maximum permissible difference between both sides	max. 30'	max. 30'	max. 30'	max. 30'

Front axle/Model	Suspension strut axle all-wheel drive R32
	Sport suspension
Suspension versions	G90, G67
	Explanation of PR. numbers can be found on page
Camber (wheels not pressed)	0° 10'
Camber ^{* See note} (wheels in straight ahead position)	-45' 30'
Maximum allowable difference between two sides	max. 30'

Front axle/Model	Suspension strut axle all-wheel drive R32
	Sport suspension
Toe out on turns at 20° steering lock to left and right	-1° 20' 20'
Caster (not adjustable)	+8° 30'
Maximum permissible difference between both sides	max. 30'

Rear axle/Model	Torsion beam axle Golf and Jetta			
	Basic suspension	Sport suspension	Sport suspension Golf GTI 132 kW	Heavy duty suspension
Suspension versions	1JA, 1JY, 1JD	1JC	1JC	1JB, 1JG
	These PR. Nos. are not shown on the vehicle data sticker. The application, the adjustments for the relevant suspension are taken from the PR. No. for the front axle shock absorbers.			
Camber	-1° 27' 10'			
Maximum allowable difference between two sides	max. 30'			
Total toe (at specified camber)	+ 20' 10'	+ 25' 10'	+ 29' 10'	+ 10° ^{+10°} / _{-7°}
Max. allowable deviation from direction of travel (thrust angle)	max. 20'			

Rear axle/Model	Torsion beam axle Jetta Wagon		
	Basic suspension	Sport suspension	Heavy duty suspension
Suspension versions	1JA, 1JY, 1JD	1JC	1JB
	These PR. Nos. are not shown on the vehicle data sticker. The application, the adjustments for the relevant suspension are taken from the PR. No. for the front axle shock absorbers.		
Camber	-1° 27' 20'		
Maximum permissible difference between both sides	max. 30'		
Total toe (at specified camber)	+ 16' 10'	+ 22' 10'	+ 10° ^{+10°} / _{-7°}

Rear axle/Model	Torsion beam axle Jetta Wagon		
	Basic suspension	Sport suspension	Heavy duty suspension
Max. allowable deviation from direction of travel (thrust angle)	max. 20'		

Rear axle/Model	Trailing arm/double transverse link axle Golf and Jetta		
	Basic suspension	Sport suspension	Heavy duty suspension
Suspension versions	1JD	1JC	1JB
	These PR. Nos. are not shown on the vehicle data sticker. The application, the adjustments for the relevant suspension are taken from the PR. No. for the front axle shock absorbers.		
Total toe (at specified camber)	+ 15' 10'	+ 15' ^{+15'} / _{-10'}	+ 15' 10'
Max. allowable deviation from direction of travel (thrust angle)	max. 20'		
Specifications for camber .			

Rear axle/Model	Trailing arm/double transverse link axle Jetta Wagon		
	Basic suspension	Sport suspension	Heavy duty suspension
Suspension versions	1JD	1JC	1JB
	These PR. Nos. are not shown on the vehicle data sticker. The application, the adjustments for the relevant suspension are taken from the PR. No. for the front axle shock absorbers.		
Total toe (at specified camber)	+ 15' 10'		
Max. allowable deviation from direction of travel (thrust angle)	max. 20'		
Specifications for camber .			

Rear axle/Model	Trailing arm/double transverse link axle R32
	Sport suspension
Suspension version	1JC
	These PR. Nos. are not shown on the vehicle data sticker. The application, the adjustments for the relevant suspension are taken from the PR. No. for the front axle shock absorbers.
Camber is not adjustable!	-1° 30' 20'
Maximum permissible difference between both sides	max. 20'

Rear axle/Model	Trailing arm/double transverse link axleR32
	Sport suspension
Total toe (at specified camber)	+ 15' ^{+ 15' / - 10'}
Max. allowable deviation from direction of travel (thrust angle)	max. 20'

Golf, Jetta, Jetta Wagon with basic or sport suspension		Golf, Jetta, Jetta Wagon with heavy duty suspension	
Ride height dimension "a"	Camber	Ride height dimension "a"	Camber
370 mm	-1° 10' 20'	400 mm	-50' 20'
375 mm	-1° 20'	405 mm	-40' 20'
380 mm	-50' 20'	410 mm	-30' 20'
385 mm	-40' 20'	415 mm	-20' 20'
390 mm	-30' 20'	420 mm	-10' 20'
395 mm	-20' 20'	425 mm	0 20'
400 mm	-10' 20'		
405 mm	0 20'		
Max. allowable difference between left and right max. 20 '			