

Wheel alignment specifications, vehicles with V8 engines

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The specifications for normal level are given for vehicles with allroad 4-wheel air suspension 1BY.

Front axle	Running gear (1BA, 1BH)	Sports running gear (1BE, 1BD)	Sports running gear (1BV, 2ME, 2MC)	Heavy duty running gear (1BR)	Adaptive suspension system (1BG)	Allroad (4-wheel air suspension) (1BY)
Camber	$-1^{\circ} \pm 25'$	$-1^{\circ} 05' \pm 25'$	$-1^{\circ} 20' \pm 25'$	$-50' \pm 25'$	$-1^{\circ} \pm 25'$	$-1^{\circ} \pm 25'$
Max. perm. difference between the two sides	30'	30'	30'	30'	30'	30'
Toe per wheel (setting in initial position)	$+10' \pm 2'$	$+10' \pm 2'$	$+10' \pm 2'$	$+10' \pm 2'$	$+10' \pm 2'$	$+10' \pm 2'$
Toe per wheel (check value in initial position)	$+10' \pm 5'$	$+10' \pm 5'$	$+10' \pm 5'$	$+10' \pm 5'$	$+10' \pm 5'$	$+10' \pm 5'$
Toe constant per wheel (setting)	$+7' \pm 2'$	$+7' \pm 2'$	$+7' \pm 2'$	$+7' \pm 2'$	$+7' \pm 2'$	$+7' \pm 2'$
Toe constant per wheel (check value)	$+7' \pm 7'$	$+7' \pm 7'$	$+7' \pm 7'$	$+7' \pm 7'$	$+7' \pm 7'$	$+7' \pm 7'$
Toe-out on turns at 20 degrees → Note	$1^{\circ} 30' \pm 30'$	$1^{\circ} 30' \pm 30'$	$1^{\circ} 30' \pm 30'$	$1^{\circ} 30' \pm 30'$	$1^{\circ} 30' \pm 30'$	$1^{\circ} 25' \pm 30'$

¹⁾ Angle of wheel on outside of bend is smaller by this amount. It may also be given as a negative figure by wheel alignment computers of certain manufacturers.

Rear axle	Running gear (1BA, 1BH)	Sports running gear (1BE, 1BD)	Sports running gear (1BV, 2ME, 2MC)	Heavy duty running gear (1BR)	Adaptive suspension system (1BG)	Allroad (4-wheel air suspension) (1BY)
Camber	- 60' ± 30'	- 60' ± 30'	- 60' ± 30'	- 60' ± 30'	- 1° 10' ± 30'	- 60' ± 30'
Max. perm. difference between the two sides	30'	30'	30'	30'	30'	30'
Toe per wheel	+ 8' ± 5'	+ 8' ± 5'	+ 8' ± 5'	+ 8' ± 5'	+ 8' ± 5'	+ 9' ± 4'
Max. perm. misalignment with respect to longitudinal axis of vehicle	± 10'	± 10'	± 10'	± 10'	± 10'	± 10'

Additional vehicle data:

Size	Unit	Running gear (1BA, 1BH)	Sports running gear (1BE, 1BD)	Sports running gear (1BV, 2MC, 2ME)	Heavy duty running gear (1BR)	Adaptive suspension system (1BG)	Allroad (4-wheel air suspension) (1BY)
Wheelbase	mm	2758	2759	2759	2758	2759	2760
Front track	mm	1576	1577	1577	1575	1576	1586
Rear track	mm	1586	1586	1586	1585	1592	1597
Max. steering angle	degrees	41	41	41	41	41	41



Note

- ◆ Specifications for rim offset 35 except 1BY
- ◆ Specifications for rim offset 25 for 1BY only
- ◆ These additional vehicle data are only intended for more rapid diagnosis following accidents.