

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

Article Text

1996 Volkswagen Golf
For Volkswagen Technical Site
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Thursday, August 19, 1999 11:59PM

ARTICLE BEGINNING

1995-96 WHEEL ALIGNMENT
Volkswagen - Specifications & Procedures

Golf

*** PLEASE READ FIRST ***

NOTE: Prior to performing wheel alignment, perform preliminary visual and mechanical inspection of wheels, tires and suspension components. See PRE-ALIGNMENT INSTRUCTIONS in WHEEL ALIGNMENT THEORY/OPERATION article.

RIDING HEIGHT ADJUSTMENT

NOTE: On vehicles with electronic chassis controls, all systems should be functional before attempting riding height or wheel alignment adjustment.

Before adjusting alignment, ensure difference in riding height between left and right sides of vehicle is less than 1" (25.4 mm). Riding height must be checked with vehicle on level floor and tires properly inflated. Bounce vehicle several times and allow suspension to settle.

Visually inspect vehicle for signs of abnormal height from front to rear or side to side. Check passenger and luggage compartments for extra heavy items and remove if present. If difference in riding height between left and right sides of vehicle is NOT less than 1" (25.4 mm), check suspension components and repair or replace as necessary.

WHEEL ALIGNMENT PROCEDURES

CAMBER ADJUSTMENT

To adjust front camber, loosen lower strut mounting bolt/nut. Using Camber Adjusting Tool (3270) move strut to align and retighten bolt/nut to 70 ft. lbs. (95 N.m). Additional information is not available at time of publication.

CASTER ADJUSTMENT

Caster is not adjustable. Additional information is not available at time of publication.

TOE-IN ADJUSTMENT

To adjust front toe-in, rotate right tie rod end only. Additional information is not available at time of publication.

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WHEEL ALIGNMENT SPECIFICATIONS

WHEEL ALIGNMENT SPECIFICATIONS TABLE

AA

Application Preferred Range

1995

Camber (1)

Front -0.67 -1 To -0.33

Rear -1.5 -1.67 To -1.33

Caster (Front) (1) 3.42 2.92 To 3.92

Toe-In (2)

Front 0 (0) -0.08 To 0.08

(-2 To 2)

Rear 0.17 (4) 0.08 To 0.25

(2 To 6.5)

Toe-In (1)

Front 0 -0.17 To 0.17

Rear 0.33 0.17 To 0.5

1996 (3)

1.9L

Camber (1)

Front -0.5 -0.83 To -0.17

Rear -1.5 -1.67 To -1.33

Caster (Front) (1) ... 1.75 1.25 To 2.25

Toe-In (2)

Front 0 (0) -0.08 To 0.08

(-2 To 2)

Rear 0.17 (4) 0.08 To 0.25

(2 To 6.5)

Toe-In (1)

Front 0 -0.17 To 0.17

Rear 0.33 0.17 To 0.5

2.0L

Camber (1)

Front -0.58 -0.92 To -0.25

Rear -1.5 -1.67 To -1.33

Caster (Front) (1) ... 1.83 1.33 To 2.33

Toe-In (2)

Front 0 (0) -0.08 To 0.08

(-2 To 2)

Rear 0.17 (4) 0.08 To 0.25

(2 To 6.5)

Toe-In (1)

Front 0 -0.17 To 0.17

Rear 0.33 0.17 To 0.5

2.8L

Camber (1)

Front -0.5 -0.83 To -0.17

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Rear	- 1.5	- 1.67 To - 1.33
Caster (Front) (1)	...	3.27	2.77 To 3.37
Toe-In (2)				
Front	0 (0)	-0.08 To 0.08 (- 2 To 2)
Rear	.....	0.17 (4)	.....	0.08 To 0.25 (2 To 6.5)
Toe-In (1)				
Front	.....	0	.....	-0.17 To 0.17
Rear	.....	0.33	.....	0.17 To 0.5

(1) - Measurement is in degrees.

(2) - Measurement is in inches (mm).

(3) - Not all engine sizes are available for all models.

AA

END OF ARTICLE