

WHEEL ALIGNMENT SPECIFICATIONS & PROCEDURES

Article Text

1989 Volkswagen Golf
For Volkswagen Technical Site
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Tuesday, August 24, 1999 12:08AM

ARTICLE BEGINNING

1989-90 WHEEL ALIGNMENT
Specifications & Procedures

RIDING HEIGHT ADJUSTMENT

Before adjusting alignment, check riding height. 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 riding height is not within specifications listed, check, repair or replace suspension components.

NOTE: Ride height between left and right side of vehicle should vary less than 1" (25.4 mm).

WHEEL LUG NUT TORQUE SPECS

WHEEL LUG NUT TIGHTENING SPECIFICATIONS

Application Ft. Lbs. (N.m)

Cabriolet, Fox, Golf,
GTI, Jetta, Jetta GLI 81 (110)
Vanagon 123 (167)

WHEEL ALIGN SPECS TABLE

WHEEL ALIGNMENT SPECIFICATIONS TABLE

Application Fraction (Decimal)

Cabriolet
Front
Camber (Degrees) $1/2^{\circ}$ to $1/2^{\circ}$ (-.500 to .500)
Caster (Degrees) 1° to $21/64^{\circ}$ (1.333 to 1)
Toe-In (Inches) $-3/64$ to $-1/4$ (-.042 to -.250)
Toe-In (Degrees) $-5/64$ to $-1/2$ (-.083 to -.500)
Rear
Camber (Degrees) $43/64$ to 1° to $53/64$ (-.666 to 1.833)
Toe-In (Inches) $-3/64$ to -1° to $27/64$ (-.042 to -.416)
Toe-In (Degrees) $-43/64$ to -1° to $53/64$ (-.666 to 1.833)

Golf, Jetta (VIN GX or RV)
Front
Camber (Degrees) $-1/2^{\circ}$ to $21/64^{\circ}$ (-.500 to .333)
Caster (Degrees) $+1^{\circ}$ to $1/2^{\circ}$ to $1/2^{\circ}$ (+1.500 to .500)

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Toe-In (Inches) 0ñ3/64 (0ñ. 042)

Toe-In (Degrees) 0ñ11/64 (0ñ-. 166)

Rear

Camber (Degrees) ... - 1 43/64ñ21/64 (- 1. 666ñ. 333)

Toe-In (Inches) +13/64ñ1/8 (+. 208ñ. 125)

Toe-In (Degrees) +27/64ñ1/4 (+. 416ñ. 250)

Golf, Jetta (VIN PF)

Front

Camber (Degrees) - 37/64ñ21/64 (-. 583ñ. 333)

Caster (Degrees) +1 37/64ñ1/2 (+1. 583ñ. 500)

Toe-In (Inches) 0ñ3/64 (0ñ. 042)

Toe-In (Degrees) 0ñ11/64 (0ñ-. 166)

Rear

Camber (Degrees) ... - 1 43/64ñ21/64 (- 1. 666ñ. 333)

Toe-In (Inches) +13/64ñ1/8 (+. 208ñ. 125)

Toe-In (Degrees) +27/64ñ1/4 (+. 416ñ. 250)

GTI, Jetta GLI

Front

Camber (Degrees) - 43/64ñ21/64 (-. 666ñ. 333)

Caster (Degrees) +1 37/64ñ1/2 (+1. 583ñ. 500)

Toe-In (Inches) 0ñ3/64 (0ñ. 042)

Toe-In (Degrees) 0ñ11/64 (0ñ. 166)

Rear

Camber (Degrees) ... - 1 43/64ñ21/64 (- 1. 666ñ. 333)

Toe-In (Inches) +13/64ñ1/8 (+. 208ñ. 125)

Toe-In (Degrees) +27/64ñ1/4 (+. 416ñ. 250)

Vanagon

Front

Camber (Degrees) 0ñ1/2 (0ñ. 500)

Caster (Degrees) +7 1/4ñ1/4 (+7. 250ñ. 250)

Toe-In (Inches) +11/64ñ1/4 (+. 166ñ. 250)

Toe-In (Degrees) 21/64ñ1/2 (. 333ñ. 500)

Rear

Camber (Degrees) - 53/64ñ1/2 (-. 833ñ. 500)

Toe-In (Inches) 0ñ11/64 (0ñ. 166)

Toe-In (Degrees) 0ñ 21/64 (0ñ. 333)

AA

END OF ARTICLE