



**Haynes**  
shows you how

## BMW 3-Series (92-98) & Z3 (96-98) Haynes Online Manual

# Specifications

## Front suspension

Type	Independent, with MacPherson struts incorporating coil springs, telescopic shock absorbers and a stabilizer bar
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## Rear suspension

Type	
All except 318ti and Z3 models	Independent, trailing arms located by upper and lower control arms with coil springs, shock absorbers and a stabilizer bar
318ti and Z3 models	Independent, with semi-trailing arms, coil springs, shock absorbers and a stabilizer bar

## Steering

Type	Power-assisted rack and pinion
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Ft-lbs

## Torque specifications

## Front suspension

Stabilizer bar connecting link nuts	
Models with connecting link mounted on the strut	43
Models with connecting link mounted on control arm	34
Stabilizer bar clamp nuts	16
Hub nut	215
Control arm balljoint nut	45
Control arm rear mounting bracket bolts	34

Control arm-to-crossmember nut	63
Strut mounting plate nut:	
M12 thread	
Piston with an external hexagon end (retain with socket)	47
Piston with an internal hexagon end (retain with Allen key)	32
M14 thread	47
Strut-to-steering knuckle bolt nut	79
Strut upper mounting nuts	16

## Rear suspension

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Control arm-to-subframe pivot bolt	57
Shock absorber lower mounting bolt	74
Shock absorber upper mounting nuts	16
Trailing arm-to-control arm pivot bolts	81
Trailing arm mounting bracket-to-body bolts	57
Trailing arm-to-mounting bracket pivot bolt	81

## Steering

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Intermediate shaft clamp bolts	13
Power steering pipe fitting bolts	
M14 bolt	26
M16 bolt	30
Power steering pump bolts	16
Steering gear mounting nuts	31
Steering wheel bolt	46
Tie-rod	53
Tie-rod end	
Retaining nut	33
Locknut	11

## Wheels

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Wheel bolts	See <a href="#">Chapter 1</a>
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