	Type	Thread	Tightening specification	Measure
1AZ Brake drum/disc to wheel hub	E39 / E38 / E46 / E52 / E53 / E83 / E85 / E86 / E65 / E66 / E67 / E60 / E61 / E63 / E64			16 Nm
2AZ Wheel brake cylinder to brake anchor plate	E36			10 Nm
3AZ Brake carrier on semi-trailing arm/wheel carrier	E65 / E66 / E67 / E60 / E61 / E63 / E64			110 Nm
	E46 / E85 / E86 / E86			65 Nm
	E83	M10	Replace micro-encapsulated screws	65 Nm
5AZ Guide bolt	E39 / E38 / E46 / E52 / E53 / E83 / E85 / E86 / E65 / E66 / E67 / E60 / E61 / E63 / E64	wrench size 7 mm		30 - 5 Nm
6AZ Protective plate to wheel carrier	E85 / E86 / E83	M6		9 Nm
	E85 / E86 / E83	M8		15 Nm
	E60 / E61 / E63 / E64 / E65 / E66 / E67	M6		12 Nm

16 11 Fuel Tank and Mounting Parts

	Type	Thread	Tightening specification	Measure
1AZ Fuel tank to body (hexagon nut)	E46 / E83	M8	Replace self-locking nuts	19 Nm
	E24	M8		45 Nm
	E30	M8		25 Nm
Tension strap to body (hexagon screw)	E53 / E46 / E85 / E86 / E83	M8		19 Nm
	E24	M8		8 Nm
	E38 / E65 / E66 / E67 / E60 / E61 / E63 / E64	M8		20 Nm
2AZ Connecting pipe to fuel tank	E30			25 Nm
3AZ Heat shield to fuel tank	E30			8,5 Nm
	E24			1,0 Nm
	E31			3 Nm
4AZ Drain plug to fuel tank	E28 / E30			25 Nm
5AZ Trunk separating wall/retaining bracket to trunk floor	E52	M6		7,8 Nm
6AZ Wheel arch cover to body	E52	M6		3 Nm

	Type	Thread	Tightening specification	Measure
1AZ Output shaft to final drive unit and drive flange				
Fillister head bolt	E30, E32, E34	M10	Replace screws	83 Nm
Torx screw with ribbed teeth	E36, E39, E46, E60, E61	M8 (black)	Replace screws	64 Nm
	E60, E61, E83, E85 / except S54, E86 / except S54	M8 (silver)	Replace screws	52 Nm
	E30, E31, E32, E34, E36, E38, E39, E46, E53, E85 / S54, E86 / S54	M10 (black)	Replace screws	100 Nm
	E30, E36, E38, E39, E46, E52, E53, E60, E61, E63, E64, E65, E66, E67, E83, E85 / except S54, E86 / except S54	M10 (silver)	Replace screws	80 Nm
	E31, E32, E39, E60, E61, E63, E64	M12	Replace screws	135 Nm

	Type	Thread	Tightening specification	Measure
1AZ Final drive to rear axle carrier	E21			90 Nm
	E12, E24 / until 5.82			80 Nm
	E23, E24 / from 5.82, E28 / from 5.82, E30, E32, E34, E36 / Z3 / Compact			110 Nm
	E36, E46	Front		95 Nm
	E46 / S54, E85 / S54, E86 / S54	Front	Observe repair instruction.	200 Nm
	E38, E39, E52	Front		150 Nm
	E53, E60, E61, E63, E64, E65, E66, E67, E83, E85 / except S54, E86 / except S54	Front	Observe repair instruction.	100 Nm
	E31, E36	Rear		77 Nm
	E38	Rear		102 Nm
	E38	Rear	tighten also via screw head	75 Nm
	E39	Rear	tighten also via screw head	105 Nm
	E46 / except S54	Rear		174 Nm
	E46 / S54, E85 / S54, E86 / S54	Rear	Observe repair instruction. Jointing torque Torque angle	 20 Nm 90 °

	E52	Rear	tighten also via screw head	102 Nm
	E53, E60 / except S85, E61, E63 / except S85, E64, E65, E66, E67, E83, E85 / except S54, E86 / except S54	Rear	Observe repair instruction.	165 Nm
	E60 / S85, E63 / S85	Rear	Observe repair instruction.	220 Nm
2AZ Final drive to stabilizer link and stabilizer link to body	E21, E30			90 Nm
3AZ Final drive to rubber mount	E12, E23, E24, E28			87 Nm
	E32, E34			77 Nm
4AZ Differential cover with rubber mount to body	E30, E36 / Z3 / Compact			77 Nm
5AZ Final drive cover to case cover	E32	M12 8.8		81 Nm
	E32, E34	M12 10.9		102 Nm
6AZ Rubber mount to body	E12, E24			48 Nm
	E23	M8 8.8	Thread free from oil and grease Secure with Loctite No. 270	24 Nm
	E23	M8 10.9	Thread free from oil and grease Secure with Loctite No. 270	37 Nm
	E23, E32	M10 8.8	Thread free from oil and grease Secure with Loctite No. 270	52 Nm
7AZ Final drive cover to final drive	E31	M14 x 1.5		186 Nm
8AZ Final drive cover to rear axle support	E31			127 Nm
9AZ Vibration damper	E65 / M57TU / M57T2	M12		100 Nm

	Type	Thread	Tightening specification	Measure
1AZ Vibration damper to rear axle carrier	E36 / E38 / E46 / E83	M12		77 Nm
	E65 / E66 / E67	M12		100 Nm

	Type	Thread	Tightening specification	Measure
1AZ Stabilizer to trailing arm	E30, E31, E36 / Z3 / Compact	M8	tighten in normal position	22 Nm
	E31	M10	tighten in normal position	42 Nm
2AZ Stabilizer link on anti-roll bar/swinging arm	E38			42 Nm
	E39, E52			65 Nm
	E53			100 Nm
	E60, E61, E63, E64	M10		65 Nm
	E65, E66, E67	M10		58 Nm
	E60, E61, E63, E64, E65, E66, E67	M12		100 Nm
3AZ Retaining bracket, stabilizer bar to rear axle support	E46, E52, E85			22 Nm
	E53			19 Nm
	E60, E61, E63, E64	M8		28 Nm
	E65, E66, E67	M10		60 Nm
	E83	M8		21 Nm
4AZ Stabilizer link to bracket	E46, E85, E86	M8	Replace nut	22 Nm
5AZ Bracket stabilizer link to upper control arm	E46, E85, E86	M8	Replace nuts	22 Nm
6AZ Vibration damper to right stabilizer retaining bracket	E61	M12		100 Nm
7AZ Stabilizer link to stabilizer bar / upper control arm	E83	M10	Replace nuts	65 Nm

	Type	Thread	Tightening specification	Measure
1AZ Trailing arm to rear axle carrier	E34 (M5)		Replace screw tighten with special tool 33 3 060 and torque wrench Hazet 6291-2CT	55 Nm
	E30, E32, E34, E36		tighten in normal position	67 Nm
	E30, E32, E34, E36	10.9		77 Nm
2AZ Trailing arm to console	E31	M14 x 1.5		127 Nm
3AZ Trailing arm to wheel carrier	E31	M18 x 1.5		278 Nm
4AZ Traction strut to wheel carrier	E31		Tapered spigot and bore must be free of grease	80 Nm
	E38, E52			
	E39		Tapered spigot and bore must be free of grease	55 Nm
	E53			56 Nm
	E60, E61, E63, E64, E65, E66, E67	M10		65 Nm
	E60	M12		100 Nm
5AZ Control arm to rear axle support	E31		tighten in normal position	95 Nm
	E38		tighten in normal position	60 Nm
	E39		tighten in normal position With torque wrench Hazet 6290-CT	60 Nm
	E52		tighten in normal position	60 Nm
	E53		tighten in normal position with special tool 32 3 150 and torque wrench Hazet 6291-ICT	59 Nm

	E60, E61, E63, E64, E65, E66, E67		tighten in normal position	65 Nm
6AZ Support arm to rear axle support	E31	M14 x 1.5		127 Nm
7AZ Support arm to wheel carrier	E31			150 Nm
8AZ Upper control arm to wheel carrier	E31	M14 x 1.5		127 Nm
	E38, E52			160 Nm
	E39			142 Nm
	E53, E60, E61, E63, E64		Replace nut	165 Nm
	E65, E66		Replace nut	175 Nm
	E67		Replace nut	110 Nm
9AZ Interconnecting link to trailing arm	E31	M16 x 1.5	Tapered spigot and bore both free of grease	120 Nm
10AZ Integral arm to upper control arm	E31	M14 x 1.5		127 Nm
11AZ Upper/lower control arms to trailing arm	E36, E46	M12 x 1.5	tighten in normal position	110 Nm
12AZ Trailing arm to console	E36, E46			110 Nm
	E83, E85, E86	M12 x 1.5 10.9		100 Nm
13AZ Trailing arm console to body	E36, E46, E83, E85, E86			77 Nm
14AZ Upper control arm to rear axle carrier	E31	M12 x 1.5	tighten in normal position	77 Nm
	E36	M12 10.9	tighten in normal position Always replace antifatigue bolts with combination bolts and washers, see BMW Parts Service	77 Nm
	E38, E39, E52		tighten in normal position	110 Nm
	E52		tighten in normal position	110 Nm
	E46, E85, E86		tighten in normal position	77 Nm
	E83		tighten in normal position	77 Nm
	E53, E60, E61, E63, E64		tighten in normal position	100 Nm
	E65, E66, E67		tighten in normal position	

			Jointing torque Torque angle	100 Nm 90 °
15AZ Lower control arm to rear axle carrier	E36	M12 10.9	tighten in normal position Always replace antifatigue bolts with combination bolts and washers, see BMW Parts Service	77 Nm
	E46, E83, E85, E86		tighten in normal position	77 Nm
16AZ Support bracket on body	E21 / E30			28 Nm
17AZ Compression strut on body	E46, E83	M8 8.8		21 Nm
	E30, E32, E34, E36, E85, E86	M8 10.9		30 Nm
	E60, E61, E63, E64	M10 10.9		48 Nm
	E65, E66, E67	M10 10.9		38 Nm
18AZ Auxiliary control arm to trailing arm and rear axle carrier	E32, E34	M14 x 1.5	tighten in normal position	127 Nm
19AZ Additional strut on rear axle carrier	E32, E34	M12 x 1.5		110 Nm
20AZ Swinging arm to rear axle support	E38	Front	tighten in normal position	60 Nm
	E39	Front	tighten in normal position	58 Nm
	E52	Front	tighten in normal position	105 Nm
	E53, E60, E61, E63, E64, E65, E66, E67	Front	tighten in normal position	100 Nm
	E38	Rear	tighten in normal position	130 Nm
	E39	Rear M12	tighten in normal position	115 Nm
	E39 / Touring, M5	Rear M14	tighten in normal position	174 Nm
	E52	Rear M14	tighten in normal position	160 Nm
	E53, E60, E61, E63, E64, E65, E66, E67	Rear M14	tighten in normal position	165 Nm
21AZ Integral link on front wheel carrier	E38, E39, E52, E53		tighten in normal position	105 Nm

	E60, E61, E63, E64, E65, E66, E67		tighten in normal position	100 Nm
22AZ Screw connection, swinging arm, integral link, wheel carrier	E38		tighten in normal position	236 Nm
	E39, E52		tighten in normal position	256 Nm
	E53		tighten in normal position	250 Nm
	E60, E61, E63, E64, E65, E66, E67		tighten in normal position	240 Nm
23AZ V-strut to tension strut / body	E46 / M3 / M3 CSL		Replace screws Jointing torque Torque angle	 59 Nm 90 °
24AZ Upper control arm to trailing arm	E85, E86	M12x1.5 8.8	tighten in normal position	100 Nm
	E83	M12x1.5	tighten in normal position	106 Nm
25AZ Lower control arm to trailing arm	E85, E86	M12x1.5 10.9	Replace nut tighten in normal position	77 Nm
	E83	M12x1.5 10.9	Replace nut tighten in normal position	100 Nm
26AZ Tension strut to compression strut / body	E83	M10		60 Nm
27AZ Heat shield to compression strut	E83	M6		5 Nm
28AZ Heat shield to compression strut	E65, E66, E67	M8		19 Nm