

7. Springs, shock absorbers and wheels

Front suspension

Shock absorbers

V29, V42, V77, V78-V78F9, V80-V80R07

Specifications of coil springs

Colour code	none	blue	green	yellow	grey	red	
Free length	372	360	362	350	457	355	
Spring stiffness	N/mm	17	20	17	20	12	22
Number of coils	5.5	5.5	5.5	5.5	6.5	5.5	
Wire diameter	mm	12.75	13.25	12.73	13.25	12.30	13.25
At a spring length of (mm) the load is	mm/N	194/3020	194/3310	194/2850	1943110	213/3150	218/3020

Tightening torques

	Nm
Lock nut, rubber mounting	65
Nut, link rod	35
Nuts and bolts, mounting pad	25
Fitted bolts, stub axle	110

Rear suspension

Shock absorbers

	'93	'94-
Colour-coded black	R104	R5, R3
Colour-coded grey	R96	R12

Specifications of coil springs

Colour code	none	yellow	green	red	
Free length	322	310	350	289.5	
Spring stiffness	N/mm	19.7	17.2	14.7	21
Number of coils	5.5	6	6	6.5	
Wire diameter	mm	10.37	10.82	10.62	11.31
At a loading of N the spring length is	mm	1430/225	1515/220	1625/240	1677/216

Tightening torques

	Nm
Shock absorber retaining bolts, lower	40
Shock absorber retaining bolts, upper	50

77. Wheels, tyres, hubs

Wheels and tyres on various models

Wheels	Tyres	Model/model year
6J x 14, alloy	185/60 HR 14	480, 1986-1987
5.5J x 14 alloy	185/60 HR 14	480, 1988
		460, 440, GLT Turbo
	185/65 HR 14	480, 440/460 Turbo Jan.'91-
6J x 15, alloy	195/65 HR/VR 15	480 Turbo '93-
5.5J x 15, alloy	185/55 HR 15	440,460
5.5J x 14 pressed steel	175/65 R 14 T	440, 460
	165/70 R 14 T	440, 460
3.5J x 14	T105/70 R 14	'Special spare'

	6J x 14/15	5.5J x 14
Max. radial throw	0.3	0.3
Max. warp	0.5	0.5
Max. out-of-balance	100	100
Distance from attachment face to rim centre line	40	37

Tyre pressures (cold tyres)

	Front	Rear
Unladen, 440, 460, 480	210/2.1/30	190/1.9/27
Laden, 440/460	230/2.3/33	210/2.1/30
Laden, 480	220/2.2/31.5	200/2.0/28.5
Special Spare	420/4.2/60	

Tightening torques

	Nm
Wheel bolts	110