SUSPENSION, WHEELS

SPRINGS

FRONT SPRINGS

Type	Helical spring
Wire thickness	15.0 mm (0.59″)
Outer diameter	126.0 mm (4.96″)
Total number of turns	8.7
Test values:	
Loading for a compression of 1 cm (25/64″) (measured within a spring length of 185.5—205.5 mm = 7.3—8.1″)	527—567 N (115—125 lb)
Length, fully compressed	max. 125 mm (4.9″)
Length when loaded with 5400—5700 N (1188—1254 lb)	195.5 mm (7.7″)

REAR SPRINGS

	142—144	
Type	Standard	Optional
Wire diameter	Helical spring	Helical spring
External diameter	12.1 mm (0.48″)	12.64 mm (0.50″)
Number of effective turns	127.1 mm (5.0″)	127.60 mm (5.0″)
Test values:	8.9	8.5
Loading (for a compression of 1 cm = 0.4″)	158—168 N (35—37 lb)	199—209 N (44—46.0 lb)
within a spring length of	272—322 mm (10.7—12.7″)	258—308 mm (10.15—12.12″)
Length, fully compressed	max. 114.9 mm (4.52″)	max. 116 mm (4.6″)
Load/spring length	2110—2250 N/97 mm (464—495 lb/3.81″)	2170—2320 N/283 mm (477—510 lb/11.0″)

REAR SPRINGS

	145 HV	145 SV
Type	Helical spring	
Wire diameter	12.85 mm (0.51″)	13.10 mm (0.52″)
External diameter	127.9 mm (5.1″)	127.0 mm (5.0″)
Number of effective turns	9.0	8.6
Test values:		
Loading (for a compression of 1 cm = 0.4″)	196—212 N (43—47 lb)	231—247 N (51—54 lb)
within a spring length of	270—320 mm (10.6—12.6″)	280—330 mm (11.0—13.0″)
Length, fully compressed	max. 127 mm (5.0″)	max. 121 mm (4.8″)
Load/spring length	2420—2570 N/295 mm (532—565 lb/11.6″)	2360—2500 N/305 mm (519—550 lb/12.0″)

SHOCK ABSORBERS

SHOCK ABSORBERS

Type	Double-acting, hydraulic, telescopic
Total length:	
front shock absorbers, compressed	approx. 223 mm (8.78″)
unloaded	approx. 340 mm (13.39″)
front shock absorbers, compressed	approx. 279 mm (10.98″)
unloaded	approx. 443 mm (17.44″)

WHEELS

WHEEL RIMS

Type	Disc
Designation: 142, 144 de Luxe and Grand Luxe	5 J×15 L
145 de Luxe	5 J×15 H
142, 144	4.5 J×15 L
145 and 145 Express	4.5 J×15 H
Radial throw	max. 1.6 mm (0.063″)
Warp	max. 1.6 mm (0.063″)
Imbalance, complete wheel	0.09 Nm (7.8 lb in)
Tightening torque for wheel nuts	100—140 Nm (72—101 lb ft)