

TECHNICAL DATA

Dimensions are in millimetres with inches equivalents in brackets unless otherwise stated

ENGINE

Bore and stroke:

2500	..	..	..	..	..	86 (3.386) × 71.6 (3.819)
2800	..	..	..	..	..	86 (3.386) × 80 (3.140)
3.0	..	..	..	..	..	89 (3.504) × 80 (3.140)
3.0 CSL	..	..	..	..	..	89.25 (3.514) × 80 (3.140)
3.0 CSL (3.15 litres)	..	..	..	..	..	89.25 (3.514) × 84 (3.307)
3.3 to late 1975	..	..	..	..	..	89 (3.504) × 88.4 (3.480)
3.3 from late 1975	..	..	..	..	..	89 (3.504) × 86 (3.386)

Capacity:

2500	..	..	..	..	..	2495cc (152.25cu in)
2800	..	..	..	..	..	2788cc (170.13cu in)
3.0	..	..	..	..	..	2985cc (182.16cu in)
3.0 CSL	..	..	..	..	..	3003cc (183.25cu in)
3.0 CSL (3.15 litres)	..	..	..	..	..	3153cc (192.41cu in)
3.3 to late 1975	..	..	..	..	..	3299cc (201.32cu in)
3.3 from late 1975	..	..	..	..	..	3210cc (195.88cu in)

Compression ratio:

SI models and 3.15 litres	..	..	..	..	9.5:1
Remainder	..	..	..	..	9:1

Crankshaft:

Main journal diameter:

Red	..	..	..	..	..	59.990 to 59.970 (2.3618 to 3.614)
Blue	..	..	..	..	..	59.970 to 59.971 (2.3614 to 2.3611)
Regrind stages	..	..	..	..	..	0.25 (0.0098), 0.50 (0.0197), 0.75 (0.0295)

Main bearing clearance	..	..	..	..	..	0.030 to 0.070 (0.0012 to 0.0028)
Crankpin diameter	..	..	..	..	..	47.991 to 47.966 (1.8894 to 1.8884)
Regrind stages	..	..	..	..	..	0.25 (0.0098), 0.50 (0.0197), 0.75 (0.0295)
End float	..	..	..	..	..	0.085 to 0.174 (0.0035 to 0.0065)
Maximum run-out at centre main journal	..	..	..	..	..	0.10 (0.004)

Connecting rods:

Length	..	..	..	..	..	135 ± 0.10 (5.315 ± 0.004)
Maximum weight variation	..	..	..	..	..	± 4gr (± 0.141oz)
Big-end clearance	..	..	..	..	..	0.023 to 0.069 (0.0009 to 0.0027)

Cylinder bore:

Maximum ovality	..	..	..	..	..	0.01 (0.0004)
Maximum taper	..	..	..	..	..	0.01 (0.0004)

Pistons:

Clearance in bore	..	..	..	..	..	0.045 (0.0018)
Maximum weight variation	..	..	..	..	..	10gr (0.35oz)

Piston rings:

Top:

Thickness	..	..	..	..	..	1.740 to 1.728 (0.0685 to 0.0680)
Gap	..	..	..	..	..	0.30 to 0.50 (0.012 to 0.020)
Groove clearance	..	..	..	..	..	0.060 to 0.082 (0.0024 to 0.0032)

Middle:

Thickness	..	..	..	..	..	1.990 to 1.978 (0.0783 to 0.0778)
-----------	----	----	----	----	----	-----------------------------------

Gap:

2500 and 2800	..	..	..	..	..	0.30 to 0.45 (0.012 to 0.018)
Remainder	..	..	..	..	..	0.20 to 0.40 (0.008 to 0.016)
Groove clearance	..	..	..	..	..	0.030 to 0.062 (0.0012 to 0.0024)

Bottom:					
Thickness	..	..	..	..	3.990 to 3.978 (0.1571 to 0.1566)
Gap	..	..	..	..	0.25 to 0.40 (0.010 to 0.016)
Groove clearance	..	..	..	..	0.030 to 0.062 (0.0012 to 0.0024)
Gudgeon pins:					
Diameter:					
White	..	..	..	..	21.998 (0.8661)
Black	..	..	..	..	21.997 to 21.994 (0.8660 to 0.8659)
Small-end bush internal diameter:					
Pin stamped 'W'	..	..	..	..	22.003 to 22.005 (0.8663 to 0.8664)
Pin stamped 'S'	..	..	..	..	22.001 to 22.003 (0.8662 to 0.8663)
Clearance in piston	..	..	..	..	0.001 to 0.005 (0.00004 to 0.0002)
Clearance in small-end:					
White	..	..	..	..	0.005 to 0.013 (0.0002 to 0.0005)
Black	..	..	..	..	0.008 to 0.016 (0.00032 to 0.00063)
Valves:					
Inlet:					
Length	..	..	..	..	106.5 ± 0.2 (4.193 ± 0.008)
Head diameter	..	..	..	..	46.00 to 45.84 (1.811 to 1.805)
Stem diameter	..	..	..	..	7.975 to 7.960 (0.3140 to 0.3134)
Minimum rim thickness	..	..	..	..	1.2 (0.047)
Seat angle	..	..	..	..	45° ± 20'
Maximum head run-out	..	..	..	..	0.02 (0.0008)
Exhaust:					
Length	..	..	..	..	107.2 ± 0.2 (4.221 ± 0.008)
Head diameter	..	..	..	..	38.00 to 37.98 (1.4960 to 1.4952)
Stem diameter	..	..	..	..	7.960 to 7.945 (0.3133 to 0.3130)
Minimum rim thickness	..	..	..	..	1.9 (0.075)
Seat angle	..	..	..	..	45° ± 20'
Maximum head run-out	..	..	..	..	0.02 (0.0008)
Valve clearance:					
Below 35°C	..	..	..	..	0.25 to 0.30 (0.010 to 0.012)
Normal operating temperature	..	..	..	..	0.30 to 0.35 (0.012 to 0.014)
Valves guides:					
Length	..	..	..	..	52 (2.047)
Internal diameter	..	..	..	..	8.000 to 8.015 (0.3150 to 0.3156)
Projection in cylinder head	..	..	..	..	15.0 to 14.5 (0.591 to 0.571)
Valve clearance guide:					
Inlet	..	..	..	..	0.025 to 0.055 (0.001 to 0.002)
Exhaust	..	..	..	..	0.040 to 0.070 (0.0016 to 0.0028)
Maximum wear	..	..	..	..	0.15 (0.006)
Valve springs:					
Free length	..	..	..	..	43.5 (1.713)
Rockers and shafts:					
Shaft clearance in head	..	..	..	..	0.016 to 0.061 (0.0006 to 0.0024)
Rocker clearance on shaft	..	..	..	..	0.016 to 0.052 (0.0006 to 0.0021)
Camshaft:					
Clearance in bearings	..	..	..	..	0.034 to 0.075 (0.0014 to 0.0030)
End float	..	..	..	..	0.03 to 0.18 (0.0012 to 0.0071)
Chain tensioner:					
Free length of spring	..	..	..	..	155.5 (6.122)
Flywheel:					
Maximum run-out at 92mm (3.62in) diameter	..	..	..	..	0.03 (0.0012)
Clutch contact face maximum machining	..	..	..	..	0.4 to 0.5 (0.016 to 0.020)
Contact face minimum thickness	..	..	..	..	13.5 (0.53)
Vibration damper:					
Maximum radial run-out	..	..	..	..	0.2 (0.008)

Maximum axial run-out at 210mm (8.27in) diameter	0.4 (0.016)
Lubrication:	
Oil pressure at idle	1.8 to 2.0 bar (25.6 to 28.5lb/sq in)
Oil pressure at maximum speed	Approximately 5 bar (71lb/sq in)
Pressure relief valve opens	4 to 5 bar (57 to 71lb/sq in)
Relief valve spring free length	68 (2.68)
Oil pressure warning light	0.05 to 0.15 bar (0.7 to 2.1lb/sq in)
Oil pump clearances:	
Rotor to housing	0.1 ± 0.025 (0.004 ± 0.001)
Rotor end float	0.050 to 0.091 (0.0010 to 0.0036)
Internal to external rotor	0.12 to 0.30 (0.005 to 0.012)

FUEL SYSTEM

Fuel pump:	
Pressure at 4000rev/min	0.21 to 0.25 bar (3.0 to 3.5lb/sq in)
Pump plunger length	107.2 ± 0.1 (4.220 ± 0.004)
Flange with gasket	20 (0.79)

Carburettors:

Zenith 32/40 INAT:

	Primary	Secondary
Air venturi	24	30
Main jet	115	130
Air correction jet	80	120
Diffuser	4S	11N
Idle jet	47.5	
Idle air jet	120	
Additional fuel jet	40	
Additional fuel air jet	80	
Additional fuel mixture jet	40	
Needle valve	2.0	
Needle valve sealing ring	1.0 (0.04)	
Float weight	8.5gr (0.3oz)	
Injection quantity per stroke	0.6 to 0.9cc	
Thermostart:		
Fuel jet	45	
Air jet	80	
Idle speed	850 to 950rev/min	
CO content at idle	1.5 to 2.0%	

Zenith 35/40 INAT:

As Zenith 32/40 INAT except:

	Primary	Secondary
Main jet	117.5	145
Air correction jet	100	100
Diffuser	6S	4N
Idle jet, 2800 models	45	
3.3 models	42.5	
Additional fuel mixture jet, 3.0 and 3.3 models	45	
CO content at idle, 2800 and 3.0 models	3 to 4%	

Zenith 35/40 INAT (USA versions):

As Zenith 35/40 INAT except:

	Primary	Secondary
Main jet:		
2500 and 2800 models	× 115	× 140
3.0 models	× 117.5	× 145

Air corrector jet:					
3.0 models, manual	..	..	..	80	80
automatic	..	..	..	100	100
Idle jet:					
2500 and 2800 models	..	..	..	42.5	
Diffuser:					
3.0 models	..	..	..	10S	

IGNITION SYSTEM

Coil:					
Type	..	..	..	..	Bosch KW 12V
Spark plugs:					
Type	..	..	..	..	Bosch W175 T 30 Beru 175/14/3A Champion N 9 Y
Gap	..	..	..	..	0.6 to 0.7 (0.024 to 0.028)
Firing order					
Distributor:					
Governor operation, engine speed:					
3.3 LA	..	..	..	..	6350 $\pm$ 150rev/min
All other models	..	..	..	..	6600 $\pm$ 150rev/min
Static timing	..	..	..	..	TDC
Stroboscopic timing, vacuum disconnected:					
Distributor 0231 306 001	..	..	..	..	22° BTDC at 2500rev/min
Other models	..	..	..	..	22° BTDC at 1700rev/min
Contact breaker points gap	..	..	..	..	0.35 to 0.40 (0.014 to 0.016)
Spring pressure	..	..	..	..	450 to 500gr (15.9 to 17.6oz)
Dwell angle:					
Degrees	..	..	..	..	35 to 41
Per cent	..	..	..	..	58 to 60

COOLING SYSTEM

Radiator:					
Filler cap:					
Pressure	..	..	..	..	1.15 to 0.90 (16.33 to 12.78lb/sq in)
Suction	..	..	..	..	0.1 bar (1.42lb/sq in)
Test pressure	..	..	..	..	1.5 bar (21.3lb/sq in)
Water pump:					
Impeller to housing clearance	..	..	..	..	0.9 $\pm$ 0.2 (0.0354 $\pm$ 0.008)
Thermostat:					
Opening commences:					
Manual transmission	..	..	..	..	84°C
Automatic transmission	..	..	..	..	80°C
Fan coupling:					
Cut-in temperature	..	..	..	..	55° $\pm$ 2.5°C

CLUTCH

Clutch disc:					
Minimum thickness	..	..	..	..	7.8 (0.307)
Maximum run-out	..	..	..	..	0.6 (0.024)
Clutch pedal:					
Free play	..	..	..	..	5 (0.2)
Travel	..	..	..	..	158 to 165 (6.22 to 6.50)

ZF gearbox:**MANUAL TRANSMISSION****Ratios:**

First	..	..	..	..	..	3.85:1
Second	..	..	..	..	..	2.08:1
Third	..	..	..	..	..	1.375:1
Top	..	..	..	..	..	1.0:1
Reverse	..	..	..	..	..	4.13:1
Speedometer drive	..	..	..	..	..	2.5:1

Mainshaft:

End play	..	..	..	..	..	1.5 (0.059) maximum
----------	----	----	----	----	----	---------------------

Layshaft:

End play	..	..	..	..	..	0.1 to 0.2 (0.004 to 0.008)
----------	----	----	----	----	----	-----------------------------

Output flange:

Run-out:						
Radial	..	..	..	..	..	0.07 (0.0028)
Face	..	..	..	..	..	0.07 (0.0028)

Getrag gearbox:**Ratios:**

First	..	..	..	..	..	3.855:1
Second	..	..	..	..	..	2.202:1
Third	..	..	..	..	..	1.401:1
Top	..	..	..	..	..	1.0:1
Reverse	..	..	..	..	..	4.3:1
Speedometer drive	..	..	..	..	..	2.5:1

Mainshaft:

End play	..	..	..	..	..	0.17 to 0.40 (0.0067 to 0.0157)
----------	----	----	----	----	----	---------------------------------

Layshaft:

End play	..	..	..	..	..	0.1 to 0.2 (0.004 to 0.008)
----------	----	----	----	----	----	-----------------------------

Output flange:

Run-out:						
Radial	..	..	..	..	..	0.07 (0.0028)
Face	..	..	..	..	..	0.07 (0.0028)

AUTOMATIC TRANSMISSION**Ratios up to 1976:**

First	..	..	..	..	..	2.5:1
Second	..	..	..	..	..	1.5:1
Third	..	..	..	..	..	1.0:1
Reverse	..	..	..	..	..	2.0:1

Ratios from 1976:

First	..	..	..	..	..	2.478:1
Second	..	..	..	..	..	1.478:1
Third	..	..	..	..	..	1.0:1
Reverse	..	..	..	..	..	2.09:1

Stall speed:

2500	..	..	..	..	..	2010 ± 50rev/min
Remainder, pre-1976	..	..	..	..	..	2020 ± 50rev/min
1976 models	..	..	..	..	..	2100 ± 50rev/min

Towing:

With propeller shaft attached:

Maximum distance	..	..	..	..	..	50km (30 miles)
Maximum speed	..	..	..	..	..	50km/hr (30 miles/hr)

Coil springs:**REAR SUSPENSION****Free length:**

CS models	..	..	..	..	..	364.5 (14.350)
Remainder	..	..	..	..	..	306.2 (12.055)

Cellulcollan spring:

Length	85 (3.3465)
Rubber disc thickness	15 (0.5906)

Final drive ratio:

2500 models and USA	3.64:1
2800 and 3.0 S, SI, CS	3.45:1
Remainder	3.25:1

Wheel bearing:

End play	0.02 to 0.06 (0.0008 to 0.0024)
------------------	---------------------------------

FRONT SUSPENSION**Coil springs:**

Free length:	
CS models	306.3 (12.059)
Remainder	322.6 (12.700)

Auxiliary springs:

Free length	85 ± 1 (3.3465 ± 0.03937)
---------------------	---------------------------

Wheel bearing:

End play	0.02 to 0.06 (0.0008 to 0.0024)
------------------	---------------------------------

Wheel alignment:

Normal load:	
Front seats	2 × 65kg (2 × 143lb)
Rear seat	1 × 65kg (1 × 143lb)
Luggage compartment	30kg (66lb) left side
Fuel tank	Full
Toe-in	0° 10' ± 10'
	1 ± 1 (0.04 ± 0.04)
Camber	0° ± 30'
Caster	9° 30' ± 30'
Kingpin inclination	6° 20' ± 30'

STEERING**Segment or roller spindle:**

End play	0.05 (0.002)
------------------	--------------

ZF-Gemmer:

Ratio	16.4:1
Wheel turns	4.4

ZF hydraulic:

Ratio	15.7:1
Wheel turns	4.1

Power steering:

Pump speed:	
Minimum	500rev/min
Maximum	6000rev/min
Pressure	82 ± 7 atmos (1165 ± 100lb/sq in)

BRAKES**Discs:**

Diameter	272 ± 0.2 (10.709 ± 0.008)
Maximum run-out:	
Measured on car	0.2 (0.008)
Measured on bench	0.05 (0.002)
Maximum variation in thickness in contact area	0.02 (0.0008)
Minimum thickness:	
Front:	
2500 and 2800 models	11.7 (0.461)
Remainder	21 (0.827)

Rear, where fitted:				
2500 and 2800 models	..	..	..	8.5 (0.335)
Remainder	..	..	..	18 (0.709)
Brake pads:				
Blocks, minimum thickness	..	..	..	7 (0.276)
Lining, minimum thickness	..	..	..	2 (0.079)
Brake drums:				
Diameter	..	..	..	250 (9.8425)
Regrind stages	..	..	..	0.5 (0.020), 1.0 (0.040)
Maximum ovality	..	..	..	0.1 (0.004)
Brake shoes				
Lining, minimum thickness	..	..	..	3.0 (0.118)
Handbrake:				
Diameter of drum	..	..	..	160 (6.30)

ELECTRICAL EQUIPMENT

Starter:				
Operating voltage	..	..	..	6 to 12
Test voltage	..	..	..	13
Test temperature	..	..	..	20°C
Type	..	..	..	Bosch GF - 12V 1 PS (hp)
Maximum output	..	..	..	1.03kW (1.38hp) at 210amp, 9.8 volts
Maximum torque	..	..	..	17.5Nm (1.75kgm, 12.66lb ft) at 380amp, 8-volts
Maximum speed	..	..	..	13,000rev/min
Type	..	..	..	Bosch GF - 12V 1.2 PS (hp)
Maximum output	..	..	..	1.34kW (1.8hp) at 270amp, 9.1 volts
Maximum torque	..	..	..	21Nm (2.1kgm, 15.2lb ft)
Maximum speed	..	..	..	10,000rev/min at 540amp, 6.8 volts
Alternator:				
Type	..	..	..	Bosch 14V 45A
Nominal voltage	..	..	..	12
Output voltage	..	..	..	14
Maximum current	..	..	..	45amp
Maximum output	..	..	..	630 watts
Maximum speed	..	..	..	14,000rev/min
Charging begins	..	..	..	1150rev/min approximately
Maximum current at	..	..	..	6000rev/min
Type	..	..	..	Bosch 14V 55A
Maximum current	..	..	..	55amp
Maximum output	..	..	..	770 watts
Maximum speed	..	..	..	12,000rev/min
Charging begins	..	..	..	1000rev/min approximately
Voltage regulator:				
Nominal voltage	..	..	..	12
Operating voltage	..	..	..	9 to 15
Regulated voltage	..	..	..	13.5 to 14.2 at 20°C
Battery:				
Voltage	..	..	..	12
Capacity	..	..	..	55amp/hr
Earth	..	..	..	Negative

CAPACITIES

		<i>Litres</i>	<i>Pints</i>	<i>US pints</i>
Engine	..	5	8.8	10.6
With filter	..	5.75	10.1	12.2

					<i>Litres</i>	<i>Pints</i>	<i>US pints</i>
Coolant with heater ..	..	..	..	..	12	21	25.4
Gearbox:							
ZF S4-18/3 ..	..	..	..	..	1.2	2.1	2.5
Getrag 262/8 ..	..	..	..	..	1.1	1.9	2.3
Automatic gearbox:							
Initial filling, ZF 3HP-20:							
2500 ..	..	..	..	..	8	14	17
2800 ..	..	..	..	..	8.3	14.6	17.5
Initial filling, ZF 3HP-22:							
All models ..	..	..	..	..	6	10.6	12.7
Rear axle ..	..	..	..	..	1.6	2.8	3.4
Fuel tank:					<i>Litres</i>	<i>Gallons</i>	<i>US gallons</i>
Saloon, up to 1974 ..	..	..	..	..	75	16.5	19.8
Coupé, up to 1974 ..	..	..	..	..	70	15.4	18.5
Saloon, from 1974 ..	..	..	..	..	78	17.2	20.6
Coupé, from 1974 ..	..	..	..	..	72	15.8	19

TORQUE WRENCH SETTINGS

Engine:					<i>Nm</i>	<i>kgm</i>	<i>lb ft</i>
Cylinder head studs:							
1st stage ..	..	..	..	..	40	4	29
2nd stage ..	..	..	..	..	62.5	6.25	45
3rd stage at maximum 350°C ..	..	..	..	..	70	7	50
Main bearing caps ..	..	..	..	..	60	6	43
Big-end bolts ..	..	..	..	..	54	5.4	39
Flywheel to crankshaft ..	..	..	..	..	107	10.7	77
Chain tensioner plug ..	..	..	..	..	35	3.5	25
Rocker clamp screw ..	..	..	..	..	10	1	7
Pressure relief valve plug ..	..	..	..	..	27.5	2.75	20
Oil drain plug ..	..	..	..	..	62.5	6.25	45
Oil sump ..	..	..	..	..	10	1	7
Hollow screw, camshaft oil line ..	..	..	..	..	12	1.2	9
Vibration damper:							
Flat nut ..	..	..	..	..	250	25	180
Shouldered nut ..	..	..	..	..	450	45	325
Timing case covers ..	..	..	..	..	10	1	7
Timing sprocket ..	..	..	..	..	145	14.5	105
Crankshaft pulley ..	..	..	..	..	40	4	29
Fuel system:							
Carburettor to manifold ..	..	..	..	..	17	1.7	12
Heat sensitive switch ..	..	..	..	..	30	3	22
Fuel pump ..	..	..	..	..	12	1.2	9
Idle shut-off valve ..	..	..	..	..	2.75	0.275	2
Fuel tank attachments ..	..	..	..	..	45	4.5	33
Coolant system:							
Radiator:							
Cap ..	..	..	..	..	10	1	7
Drain plug ..	..	..	..	..	10	1	7
Mounting ..	..	..	..	..	8	0.8	6
Headertank:							
M6 bolts ..	..	..	..	..	9	0.9	6.5
M8 bolts ..	..	..	..	..	26	2.6	19
Oil cooler pipes ..	..	..	..	..	13	1.3	10
Heat sensitive switch ..	..	..	..	..	18	1.8	13

					<i>Nm</i>	<i>kgm</i>	<i>lb ft</i>
Exhaust system:							
Exhaust pipe:							
To manifold	..	..	..	..	31.5	3.15	23
To triangular flange	..	..	..	..	23	2.3	17
Retainer plate	..	..	..	..	9.5	0.95	6.9
Clip	..	..	..	..	16	1.6	12
Rear retaining bracket	..	..	..	..	45	4.5	33
Exhaust manifold:							
To cylinder head	..	..	..	..	31.5	3.15	23
M8 × 1mm plug	..	..	..	..	11	1.1	8
Collar nut, EGR pipe	..	..	..	..	10	1	7
Clutch:							
Clutch to flywheel	..	..	..	..	23	2.3	17
Thrust rod at pedal	..	..	..	..	33	3.3	24
Master cylinder bolts	..	..	..	..	23	2.3	17
Pipe and hose unions	..	..	..	..	14	1.4	10
Pivot bolt stop nut	..	..	..	..	34	3.4	25
Clutch housing to engine:							
M8	..	..	..	..	23	2.3	17
M10	..	..	..	..	45	4.5	33
Gearbox, manual:							
Gearbox to bellhousing:							
M8	..	..	..	..	23	2.3	17
M10	..	..	..	..	45	4.5	33
Output flange:							
ZF gearbox	..	..	..	..	150	15	108
Getrag gearbox	..	..	..	..	100	10	72
Sealing flange, Getrag	..	..	..	..	10	1	7
Support bracket mounting	..	..	..	..	23	2.3	17
Oil drain plug	..	..	..	..	60	6	43
Gearbox cover, Getrag	..	..	..	..	25	2.5	18
Rubber mounting, Getrag	..	..	..	..	25	2.5	18
Bracket on body, Getrag	..	..	..	..	25	2.5	18
Centring flange	..	..	..	..	23	2.3	17
Gearbox casing	..	..	..	..	23	2.3	17
Gearbox, automatic:							
Gearbox to engine:							
M8	..	..	..	..	25	2.5	18
M10	..	..	..	..	47	4.7	34
Shoulder nut, output flange	..	..	..	..	110	11	20
Oil drain plug	..	..	..	..	35	3.5	25
End cap:							
M24 × 1.5	..	..	..	..	60	6	43
M18 × 1.5	..	..	..	..	35	3.5	25
Allen screws	..	..	..	..	15	1.5	11
Throttle cable	..	..	..	..	15	1.5	11
Extension	..	..	..	..	15	1.5	11
Propeller shaft:							
Jurid joint, automatic:							
M12 bolts	..	..	..	..	118	11.8	85
Giubo joint:							
M10 bolts	..	..	..	..	67	6.7	48
M12 bolts	..	..	..	..	118	11.8	85
Centre bearing	..	..	..	..	23	2.3	17
Threaded bush	..	..	..	..	40	4	29
Final drive	..	..	..	..	67	6.7	48

	<i>Nm</i>	<i>kgm</i>	<i>lb ft</i>
Rear axle:			
Cover on housing	22.5	2.25	16
Drive shaft on drive flange	63	6.3	45
Support to body	150	15	108
Radius rod to body	27	2.7	20
Rubber bush in body	45	4.5	32
Final drive on rubber bush	85	8.5	61
Semi-trailing arm on axle support with normal load	70	7	50
Damper:			
Bottom	140	14	101
Top	26	2.6	19
Front axle:			
Damper:			
Bottom	76	7.6	55
Top	23	2.3	17
Threaded ring	130	13	94
Track rod on steering knuckle	46	4.6	33
Guide joint on track rod arm	60	6	43
Track control arm on axle support with normal load	160	16	116
Axle support on body	75	7.5	54
Tie bars with normal load	61	6.1	44
Steering:			
Steering wheel	57	5.7	41
Joint disc	22	2.2	16
Universal joint	26	2.6	19
Pitman arm	130	13	94
Pump bearing block to engine	23	2.3	17
Pump to bearing block	23	2.3	17
Adjustment bolt locknut	30	3	22
High pressure hoses	47	4.7	34
Steering box	45	4.5	33
Idler arm to support	90	9	65
Idler arm castellated nut	80	8	58
Trackrod arm:			
Castellated nut	38	3.8	27
Clamping bolt	14	1.4	10
Brakes:			
Caliper on steering knuckle	90	9	65
Caliper on rear axle	63	6.3	45
Disc on hub	63	6.3	45
Hose on caliper	14	1.4	10
Cap nut on brake pipe	15	1.5	11
Clamp on rear brake servo	23	2.3	17
Servo clamp on wheel arch	23	2.3	17
Caliper halves:			
Front	40	4	29
Rear	22	2.2	16
Wheel nuts	85	8.5	61
Brake light switch locknut	4	0.4	3
Electrical:			
Alternator pulley	40	4	29
Starter bolts	47	4.7	34
Spark plugs	27	2.7	34
Oil pressure switch	32	3.2	23