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TORQUE WRENCH SETTINGS			Engine - Turbo Models Only Nm	lbf ft	kgf m
Engine - Not Turbo Models Nm	lbf ft	kgf m	Brake servo vacuum pipe banjo bolt50	37	5.1
Camshaft nut	65	8.9	Camshaft locating plate to crankcase	8	1.1
Connecting rod big-end:			Camshaft nut	65	9.0
bolts	37	5.1	Carburetter to manifold nuts	16	2.2
nuts 45	33	4.6	Coolant drain plug37	27	3.7
Crankshaft pulley nut	75	10.3	Coolant temperature tramsmitter54	40	5.5
Cylinder head nuts:			Connecting rod big-end nuts45	33	4.6
Emission control engine54	40	5.5	Crankshaft pulley nut	105	14.5
850,1000,1100 and 1275	50	6.9	Cylinder head bypass plug	12	1.7
Cylinder side cover	3.5	0.5	Cylinder head nuts * t	55	7.6
Clutch spring housing to pressure plate set screws 22	16	2.2	Front plate to bearing cap:		
Driving strap to flywheel set screw	16	2.2	1/ <sub>4</sub> in setscrews7	5	0.7
Flywheel centre bolt	112	15.5	Front plate to crankcase:	-	***
Flywheel housing bolts and stud nuts	18	2.5	<sup>5</sup> / <sub>16</sub> in setscrews	16	2.2
Gudgeon pin clamp screws	24	3.2	Gearbox adaptor plate	18	2.5
Heater control to cylinder head	8	1.1	Main bearing bolts *85	65	8.7
Main bearing bolts	63	8.7	Manifold to cylinder head nuts22	16	2.2
Manifold to cylinder head nuts19	14	1.9	Oil filter	8	1.1
Oil pump bolts11	8	1.1	Oil pressure switch25	18	2.5
Oil pipe banjo52	38	5.3	Oil pipe to crankcase banjo bolt	55	7.6
Oil filter head nuts19	14	1.9	Oil pump bolts11	8	1.1
Oil pressure release valve - dome nut	43	5.9	Oil pressure relief valve cap nut	45	6.1
Rocker cover	3.5	0.5	Rocker cover4	3	0.4
Rocker shaft bracket nuts	24	3.2	Rocker shaft bracket nuts32	24	3.3
Spark plugs	18	2.5	Spark plugs	18	2.5
Timing cover and front plate:			Sump drain plug	28	3.9
<sup>1</sup> / <sub>4</sub> in dia. U.N.F. bolts	5	0.7	Sump screws	8	1.1
<sup>5</sup> / <sub>16</sub> in dia. U.N.F. bolts	12	1.7	Throttle cable trunnion screw	9 lbf in	0.1
Top engine tie rod - Nyloc nut	17	2.4	Timing cover to front plate:	•	<b>5.</b> 1
Water pump bolts	16	2.2	1/ <sub>4</sub> in bolts	5	0.7
Water outlet elbow nuts	8	1.1	<sup>5</sup> / <sub>16</sub> in dia. bolts	12	1.7
Coolant temperature transmitter	16	2.2	Water outlet elbow nuts	16	2.2
			Water pump bolts	16	2.2

Turbo charger:		
to Exhaust manifold	28	3.8
to Exhaust elbow	15	2.1
Oit drain:		
Housing and engine adaptor setscrews	16	2.3
Oil feed reducer, adaptor, banjo bolt	11	1.5
to Wastegate bracket, compressor pipe setscrew 22	16	1.6
Plenum chamber to carburetter	16	1.6
Heat shield, diffuser pipe to plenum chamber	8	1.1
Non-return valve to manifold	18	2.5
Throttle cable trunnion screw 1	9 lbf in	0.1

<sup>\*</sup> Thread lightly oiled

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Engine Mountings	Nm	lbf ft	kgf m
<sup>3</sup> / <sub>8</sub> in U.N.C. screws	40	30	4.1
M8 screws	30	22	3.0
M10 screws	45	33	4.6
M12 bolts	72 Nm	53 lbf ft	7.3 kgf m
Drain plug		25	3.5
Third motion shaft bearing retainer screws		13	1.8
First motion shaft nut	203	150	20.7
Third motion shaft nut	203	150	20.7
Gearbox case to crankcase	8	6	0.8
Gearbox case studs:			
<sup>3</sup> / <sub>8</sub> in dia. U.N.C.	11	8	1.1
<sup>5</sup> / <sub>16</sub> in dia. U.N.C.	8	6	0.8
Gearbox case stud nuts:			
<sup>3</sup> / <sub>8</sub> in dia. U.N.F	34	25	3.5
<sup>5</sup> / <sub>16</sub> in dia. U.N.F	25	18	2.5
Bottom cover set screws - 1/4 in dia.			
U.N.C. (change speed tower)	8	6	0.8
Speedometer drive housing nuts	25	18	2.5
Gearbox - automatic			
Converter centre bolt	152	112	15.5
Converter (six central bolts)	29	21	2.9
Converter drain plugs	27	20	2.8
Converter housing bolts	25	18	2.5
Differential driving flange securing bolts		43	5.9
Gear train bearing caps		12	1.7
Drain plug - brass sealing washer		28	3.8
		30	4.1
Gear train carrier strap	16	12	1.7
Governor to auxiliary pump housing bolts		13	1.8
Kickdown control assembly to gearbox casing (on		5	0.7
nylon housing)			
Oil filter bowl		14	1.9
Input shaft nut	95	70	9.7
Servo unit securing bolts	23	17	2.3

t Correct tightening procedure must be followed

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Nm Gearbox - automatic (continued)	lbf ft	kgf m	Suspension Nm FRONT	/ lbf ft	kgf m
Top and reverse clutch hub nut	150	20.7	Hub ball joints:		
Gearbox to engine securing nut	12	1.7	Nut	38	5.3
Valve block securing bolts	10	1.4	Ball pin housing	75	10.3
Valve block bolts (securing three sections)	7	1.0	Hub nut - drive shaft (up to 1984)(align to next split		
5/ <sub>16</sub> in U.N.F. bolts	19	2.6	pin hole):		
<sup>3</sup> / <sub>8</sub> in U.N.F. bolts	30	4.1	except 1275 GT	60	8.3
•		•.•	1275 GT	150	20.7
Final drive - Not Turbo Models			Hub nut - drive shaft (1984 onwards) - <b>TWO</b> <b>HOLES</b> (align		
Driven gear to differential cage	60	8. <b>3</b>	to next split pin hole)	150	20.7
Driving flange to differential nut (align to next split pin		5.0	Hub nut - drive shaft (1984 onwards) - <b>ONE HOLE</b> (tighten to specified torque then tighten further, if necessary, to		
hole) 95	70	9.7	align nut with split pin hole)	193	26.2
End cover bolts (differential housing)	18	2.5	Drive shaft coupling 'U' bolts	10	1.4
Differential housing:			Tie-rod to lower arm	19	2.6
<sup>5</sup> / <sub>16</sub> U.N.F. nuts	18	2.5	lie-rod to body bracket	22	3.0
<sup>3</sup> / <sub>8</sub> U.N.F. nuts	25	3.5	Upper arm pivot shaft nut	53	7.3
End cover bolts (differential housing)	18	2.5	Lower arm pivot shaft nut	33	4.5
Final drive gear to differential cage	48	6.6	Tower bolt (later single type)68	50	6.9
Steering			REAR		
Steering-column/rack pinion clamp bolt	12	1.7	Hub nut (align to next split pin hole)	60	8.3
Steering lever to hub	33	4.5	Radius arm pivot shaft nut72	53	7.3
Steering wheel nut	35	4.8			
Tie-rod ball pin nut	22	3.0	Brakes		
Tie-rod ball joint to rack locknut	38	5.3	Caliper retaining bolts	38	5.3
Steering-rack 'U' bolts	11	1.5	Disc to driving flange	42	5.8
Steering-column clip bracket to column clip and			Backplate to radius arm bolts	20	2.8
parcel			Master cylinder reservoir flange screws	. 5	0.7
self shear bolt, min	14	1.9	Cylinder body outlet plugs	28	3.9
Road wheels			Pressure differential warning actuator end plug - (type 45	33	3.9 4.5
Wheel nuts ,			integral with master cylinder)	JJ	4.0
(steel)63	45	6.4	Pressure failure switch19	14	1.9
(alloy)50	37	5.1	Pressure failure switch body end plug	26	3.6
			Inertia valve plug	45	6.4

Electrical - Not Turbo Models	N==	L	1	
Distributor:	Nm I	bf ft	kgf m	
plate retaining screws	11 8	•	1.1	
clamp bolt		, 5	0.3	
Alternator shaft nut Electrical - Turbo Models Only	39 2	<b>5</b> !8	3.9	
Alternator:				
adjusting link to alternator	12 9	)	1.2	
adjusting link to front plate		!7	3.7	
bracket to crankcase		6	2.2	
pulley nut		7	3.7	
top fixings		6	2.2	
Distributor fork clamp screw		5	2.1	
Starter motor to flywheel housing		7	3.7	
Mini City E, Mini HLE and Mayfair models				
ENGINE				
Flywheel housing nuts and bolts	25 1	8	2.5	
Clutch pressure plate to flywheel bolts		8	2.5	
Flywheel retaining bolt		12	15.5	Dravidad CDCC by your minifinity com
First motion shaft nut		50	20.7	Provided FREE by www.minifinity.com
Top engine tie rod - Nyloc nut		7	2.4	
Model year - 1984 on				
Suspension				
·				
Hub nut - drive shaft (1984 onwards) - <b>TWO</b> <b>HOLES</b> (align				
to next split pin hole)	203 1	50	20.7	
Hub nut - drive shaft (1984 onwards) - ONE HOLE (tighten to specified torque then tighten further, if necessary, to				
align nut with split pin hole)	1:02	9 <b>3</b>	26.2	
Nut upper damper fixing 3		7. <b>5</b>	3.8	
Nut lower damper fixing	8 3		4.8	
Wheel nuts (alloy wheels):				
Not Turbo Models5	0 3:	7	5.1	
Turbo Models Only			5.8	
			3.0	