

MAINTENANCE OPERATIONS TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS

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LOCATION	PART NAME	TORQUE	
		kg-cm	ft-lb
Engine			
Tappets	Tappet adjusting nut	120-160	9-12
Oil filter cover	Oil filter center bolt	270-330	20-24
Engine Installation	Rear	Hex bolt 12 x 65	550-650 40-47
Mount Bolts	Upper	Hex bolt 10 x 298	300-400 22-29
	Front	Hex bolt 12 x 274	550-600 40-43
Spark Plugs		120-190	9-14
Shroud	Upper	Hex bolt 10 x 32	300-400 22-29
	Lower	Hex bolt 10 x 50	300-400 22-29
Frame body left lower pipe		Hex nut 10 mm	300-400 22-29
		Hex nut 12mm	550-600 40-43
Exhaust pipes		Hex nut 8mm	150-200 11-14
Muffler		Flange nut 8mm	180-250 13-18
Cylinder head		Flange bolt 10 x 90	530-570 38-41
		Flange bolt 10 x 115	530-570 38-41
Camshaft pulley		Hex bolt 8 x 22	250-290 18-21
Crankshaft pulley		Hex bolt 10 x 28	500-550 36-40
Main Bearing caps Cylinder block		Flange bolt 10 x 80	380-420 27.5-30.4
		Flange bolt 10 x 120	330-370 24-27
		Flange bolt 10 x 166	330-370 24-27
		Flange bolt 8 x 175	250-290 18-21
		Flange bolt 8 x 70	250-290 18-21
		Flange bolt 6 x 152	100-140 7-10
		Flange bolt 6 x 110	100-140 7-10
		Flange bolt 6 x 35	100-140 7-10
	Oil drain bolt	350-400 25-29	
Alternator flywheel assembly		Flange bolt 12 x 40	800-900 58-65
Clutch center		Lock nut 16mm	380-420 27-30
Alternator bearing holder		Flange bolt 6 x 22	100-140 7-10
Starter ratchet		Hex bolt 8 x 22	250-290 18-21
Connecting rods		Connecting rod cap nut	250-290 18-21
Drive Hub			
Pinion shaft nut	16mm	700-900	51-65
Bearing preload retainer	104mm	See Section 12	
Left gear case bolts	8mm bolt	230-280	17-20
Hub attaching nuts	8mm nut	350-450	25-32

LOCATION	PART NAME	TORQUE	
		kg-cm	ft-lb
Frame			
Handlebar holders	Socket bolt 8 x 30	180-250	13-18
Top bridge	Socket bolt 10 x 38	300-400	22-29
Steering stem	Stem nut	800-1200	58-87
Right step	Hex bolt 12 x 40	550-650	40-47
Pillion steps	Flange bolt 10 x 40	300-400	22-29
Side stand	Hex nut 10 mm	300-400	22-29
Four-way joint	Hex bolt 6 x 40	80-120	6-9
Stop switch (front)	Stop switch	200-250	15-18
Front brake hoses	Oil bolt	250-350	18-25
Front axle holders	Hex nut 8 mm	180-250	13-18
Front brake pipes	Brake pipe	130-150	9-11
Front disc calipers	Hex bolt 10 x 50	300-400	22-29
Front wheel axle	Wheel axle	550-650	40-47
Front brake disc	Hex bolt 8 x 113	270-330	20-24
Rear brake disc	UBS nut 8 mm	270-330	20-24
Rear wheel axle	Wheel axle nut	800-1000	58-72
Rear fork pivot lock nut	Lock nut 23 mm	800-1200	58-87
Rear brake caliper	Hex bolt 12 x 60	500-600	36-43
Rear shock absorbers	Upper Hex nut 10 mm	300-400	22-29
	Lower Hex bolt 10 x 32	300-400	22-29
Rear master cylinder	Flange bolt 8 x 32	180-250	13-18
Rear brake hoses	Brake hose	250-300	18-22
Spokes	Spoke	20-45	1-3
Front brake master cylinder holder	Flange bolt 6 x 25	80-120	6-9
Rear brake line	Hex nut 10mm	180-200	13-15