

TORQUE VALUES

The torque values for the engine are the same as the 1981 and 1982 ATC250R's. Refer to page 1-4 for the engine torque values.

FRAME

ITEM	THREAD DIA. (mm)	TORQUE VALUES		
		N-m	kg-m	ft-lb
Sprocket bolts	12	55-60	5.5-6.0	40-43
Sprocket lock nuts	12	40-45	4.0-4.5	29-33
Rear axle nut (outer)	32	120-140	12.0-14.0	87-101
Rear axle nut (inner)	32	35-45	3.5- 4.5	25-33
Rear axle nut	18	80-100	8.0-10.0	58-72
Front axle	14	70-110	7.0-11.0	51-80
Front axle holder nut	6	10-14	1.0- 1.4	7-10
Front fork bottom pinch bolts	8	18-25	1.8- 2.5	13-18
Front fork upper pinch bolts	8	18-25	1.8- 2.5	13-18
Handlebar holders	8	18-25	1.8- 2.5	13-18
Steering stem adjuster nut	26	See page 18-29.		
Steering stem nut	24	80-120	8.0-12.0	58-87
Front hub nut	10	25-30	2.5- 3.0	18-22
Rear engine hanger bolt	10	35-45	3.5- 4.5	25-33
Gear shift pedal bolt	6	8-12	0.8- 1.2	6-9
Swing arm pivot bolt	14	70-110	7.0-11.0	51-80
Swing arm bearing holder bolts	8	13-18	1.3- 1.8	9-13
Frame connecting rod	12	70-80	7.0- 8.0	51-58
Shock arm	10	45-55	4.5- 5.5	33-40
Shock link	10	45-55	4.5- 5.5	33-40
Rear shock mounting bolts	10	45-55	4.5- 5.5	33-40
Kick starter bolt	8	18-25	1.8- 2.5	13-18
Fuel valve mounting nut	18	20-25	2.0-2.5	14-18