

# TIGHTENING TORQUE ENGINE

DRZ 400

ITEM		N·m	kgf-m	lb-ft
Cylinder head cover bolt		14	1.4	10.0
Spark plug		11	1.1	8.0
Cylinder head bolt	M10	46	4.6	33.5
	M6	10	1.0	7.0
Cylinder head side bolt		14	1.4	10.0
Cylinder nut		10	1.0	7.0
Camshaft journal holder bolt		10	1.0	7.0
Balancer shaft nut		50	5.0	36.0
Primary drive gear nut		110	11.0	79.5
Generator rotor nut		100	10.0	72.5
Clutch sleeve hub nut		70	7.0	50.5
Gearshift arm stopper		19	1.9	13.5
Gearshift cam driven gear bolt		24	2.4	17.5
Cam chain tension adjuster bolt		10	1.0	7.0
Cam chain tensioner mounting bolt		10	1.0	7.0
Cam chain tensioner spring holder bolt		8	0.8	6.0
Engine oil drain plug (on the crankcase)		21	2.1	15.0
Engine oil drain bolt (on the frame)		18	1.8	13.0
Crankcase bolt		11	1.1	8.0
Oil strainer (on the frame)		23	2.3	16.5
Oil hose union bolt		23	2.3	16.5
Radiator air bleeder bolt		5.5	0.55	4.0
TDC plug		23	2.3	16.5
Engine mounting nut		66	6.6	47.5
Engine mounting bracket nut		40	4.0	29.0
Exhaust pipe bolt and nut		23	2.3	16.5
Muffler connection bolt		20	2.0	14.5
Muffler mounting bolt		23	2.3	16.5
Engine sprocket nut		110	11.0	79.5
Intake pipe union		8	0.8	6.0
Fuel valve mounting bolt		1.1	0.11	3.2
Spank arrester/muffler end pipe bolt		11	1.1	8.0
Engine coolant temperature thermoswitch		13	1.3	9.5
Cooling fan thermoswitch		13	1.3	9.5

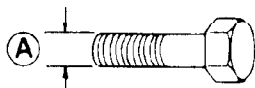
**CHASSIS****DRZ 400**

ITEM	N·m	kgf-m	lb-ft
Handlebar clamp bolt	23	2.3	16.5
Front fork upper clamp bolt	30	3.0	21.5
Front fork lower clamp bolt	32	3.2	23.0
Steering stem head nut	90	9.0	65.0
Front fork cap bolt	23	2.3	16.5
Front fork damper rod bolt	80	8.0	58.0
Front brake master cylinder mounting bolt	10	1.0	7.0
Rear brake master cylinder mounting bolt	10	1.0	7.0
Brake hose union bolt (front & rear)	23	2.3	16.5
Front brake caliper mounting bolt	26	2.6	19.0
Brake pad mounting pin (front & rear)	18	1.8	13.0
Brake caliper plug (front & rear)	2.5	0.25	1.8
Brake air bleeder valve (front & rear)	7.5	0.75	5.5
Rear brake rod locknut	18	1.8	13.0
Rear brake pedal bolt	29	2.9	21.0
Brake disc mounting bolt (front & rear)	10	1.0	7.0
Front axle nut	42	4.2	30.5
Front axle pinch bolt	18	1.8	13.0
Seat rail mounting nut (upper)	35	3.5	25.5
Seat rail mounting bolt (lower)	35	3.5	25.5
Rear axle nut	E-03, 28, 33	100	72.5
	The other countries	110	79.5
Rear sprocket nut	30	3.0	21.5
Drive chain roller mounting bolt (upper & lower)	40	4.0	29.0
Spoke nipple (front & rear)	3	0.3	2.0
Swingarm pivot nut	77	7.7	55.5
Rear shock absorber spring adjuster lock ring	90	9.0	65.0
Rear shock absorber mounting nut (upper & lower)	55	5.5	40.0
Cushion lever mounting nut (center)	100	10.0	72.5
Cushion lever mounting nut (front)	100	10.0	72.5
Cushion rod mounting nut	100	10.0	72.5
Side stand bolt	50	5.0	36.0
Side stand nut	55	5.5	40.0

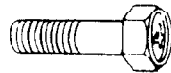
**TIGHTENING TORQUE CHART**

For other nuts and bolts not listed in the preceding page, refer to this chart:

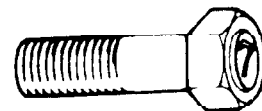
Bolt Diameter Ⓐ (mm)	Conventional or "4" marked bolt			"7" marked bolt		
	N·m	kgf·m	lb·ft	N·m	kgf·m	lb·ft
4	1.5	0.15	1.0	2.3	0.23	1.5
5	3	0.3	2.0	4.5	0.45	3.0
6	5.5	0.55	4.0	10	1.0	7.0
8	13	1.3	9.5	23	2.3	16.5
10	29	2.9	21.0	50	5.0	36.0
12	45	4.5	32.5	85	8.5	61.5
14	65	6.5	47.0	135	13.5	97.5
16	105	10.5	76.0	210	21.0	152.0
18	160	16.0	115.5	240	24.0	173.5



Conventional bolt



"4" marked bolt



"7" marked bolt