

Item	N-m Torque		Kgf-m Torque		Ft-lb Torque		in-lb Torque		SM	Allen (A)	Size	Notes	
	Low	High	Low	High	Low	High	Low	High	Page #	Socket (S)			
ABS modulator			0.00	0.00	0.00	0.00	0.00	0.00	394			Multiple torque points - see manual	
Air filter box assembly bolts (2)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	194	S	10 mm		
Axle nut (front)	63	77	6.30	7.70	46.46	56.78	557.60	681.51	279	S	24 mm		
Axle nut (rear)	63	77	6.30	7.70	46.46	56.78	557.60	681.51	276	S	24 mm	Impossible to access with a socket. Drop the silencer, or just tighten with a 24 mm spanner	
Balancer shaft bolt	40	60	4.00	6.00	29.50	44.25	354.03	531.04	157	S	14 mm	Special tool required Part # ST30922/A	
Battery strap bracket screw		10	0.00	1.00	0.00	7.37	0.00	88.51	478	A	5 mm		
Battery tray bolt (6)	8	12	0.80	1.20	5.90	8.85	70.81	106.21	477	S	10 mm		
Brake caliper bolts (front) (2)	20	30	2.00	3.00	14.75	22.12	177.01	265.52	378	S	12 mm		
Brake disc (front) mounting bolts (5)	21	29	2.10	2.90	15.49	21.39	185.87	256.67	278	A	5 mm	Not reusable - new bolts required	
Brake disc (rear) mounting bolts (6)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	273	A	5 mm	Not reusable - new bolts required	
Brake disc rear (6)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	371	S	5 mm		
Brake master cylinder (front) (2)	8	10	0.80	1.00	5.90	7.37	70.81	88.51	380	S	8 mm		
Brake master cylinder (rear) to frame (2)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	374	S	10 mm		
Brake master cylinder banjo bolt (front)	23	26	2.30	2.60	16.96	19.17	203.57	230.12	380	S	12 mm		
Brake master cylinder banjo bolt (rear)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	374	A			
Camshaft sprocket bolts (2)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	149	S	8 mm		
Camshaft sprocket bolts (2)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	149	S	8 mm		
Catalytic converter			0.00	0.00	0.00	0.00	0.00	0.00	77-79			see SM pages 77, 78, 79	
Charcoal canister to frame	8	10	0.80	1.00	5.90	7.37	70.81	88.51	352	S	10 mm		
Clutch actuating lever assembly	10	12	1.00	1.20	7.37	8.85	88.51	106.21	160	S	10 mm		
Clutch assembly - LH thread	110	130	11.00	13.00	81.12	95.87	973.581	150.60	154	S	24 mm	CAUTION: left hand thread - special tool required Part # ST30921/A	
Clutch cable adjuster nuts	4	8	0.40	0.80	2.95	5.90	35.40	70.81	83		12 mm	open end torque wrench, but who has one of those? Just snug 'em up	
Clutch lever bracket	10	12	1.00	1.20	7.37	8.85	88.51	106.21	217	S	8 mm	SM shows wrong size socket (10 mm)	
Clutch pressure plate bolts (5)	8	12	0.80	1.20	5.90	8.85	70.81	106.21	155	S	8 mm	Torque in sequence shown in SM	
Cradle frame mounting bolts (3)			0.00	0.00	0.00	0.00	0.00	0.00	73			See manual - different sized bolts, different torque values	
Crank position sensor			0.00	0.00	0.00	0.00	0.00	0.00	445			See manual	
Crankcase cover bolts LH side (14)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	162	S	5 mm	Follow tightening sequence in manual	
Crankshaft gear nut	40	60	4.00	6.00	29.50	44.25	354.03	531.04	156	S	24 mm	Left hand thread	
Crankshaft hole plug	18	22	1.80	2.20	13.27	16.22	159.31	194.72	163	S	14 mm		
Cylinder head bolts (2)	8	12	0.80	1.20	5.90	8.85	70.81	106.21	148	S	8 mm		
Cylinder head bolts (4)	12	18	1.20	1.80	8.85	13.27	106.21	159.31	148	S	12 mm		
Cylinder head cover bolts (3)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	152	S	8 mm	CAUTION! Shoulder bolt will shear if overtightened. STOP when shoulder seats.	
Engine mounting bolts (3)	45	55	4.50	5.50	33.19	40.56	398.28	486.79	72	S	14 mm		
Engine oil temperature sensor	8	10	0.80	1.00	5.90	7.37	70.81	88.51	442			See manual	
Exhaust pipe to head			0.00	0.00	0.00	0.00	0.00	0.00	77-79			see SM pages 77, 78, 79	
FD sprocket (front sprocket)	130	160	13.00	16.00	95.87	117.99	150.60	416.12	74	S	30 mm		
FD sprocket cover (3)	8	12	0.80	1.20	5.90	8.85	70.81	106.21	75	A	5 mm	tighten in a criss cross pattern	
Fork brace (4)	20	30	2.00	3.00	14.75	22.12	177.01	265.52	246	A	6 mm		
Fork pinch bolt on lower yoke (2)	21	29	2.10	2.90	15.49	21.39	185.87	256.67	312	A	6 mm		
Fork pinch bolt on top yoke (2)	20	20	2.00	2.00	14.75	14.75	177.01	177.01	314	A	6 mm		
Front axle pinch bolt	21	29	2.10	2.90	15.49	21.39	185.87	256.67	279	A	6 mm		
Front mudguard (4)	8	10	0.80	1.00	5.90	7.37	70.81	88.51	246	A	5 mm	Caution not to overtighten - could crack plastic	
Fuel injectors	8	10	0.80	1.00	5.90	7.37	70.81	88.51	441	S	8 mm		

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Fuel pump bolts (8)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	343	S	10 mm		
Fuel tank rear bolts	10	12	1.00	1.20	7.37	8.85	88.51	106.21	82	S	10 mm		
Fuel tank to frame	10	12	1.00	1.20	7.37	8.85	88.51	106.21	344	S	10 mm		
Gear position sensor bolts (2)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	162	S	8 mm		
Gear position sensor bolts (2)	8	10	0.80	1.00	5.90	7.37	70.81	88.51	446	A	8 mm		
Gear position sensor wire bolts (2)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	162	S	8 mm		
Gear shift linkage		10	0.00	1.00	0.00	7.37	0.00	88.51	75	S	14 mm	also use 17 mm spanner	
Handlebar clamp pinch bolts (4)	24	28	2.40	2.80	17.70	20.65	212.42	247.82	216	A	6 mm	Tighten in sequence shown in manual	
Handlebar raiser bolts (2)	42	58	4.20	5.80	30.97	42.77	371.73	513.34	216	S	14 mm		
Headlamp assembly			0.00	0.00	0.00	0.00	0.00	0.00	483			See Service Manual	
Horn assembly		25	0.00	2.50	0.00	18.44	0.00	221.27	476	S	12 mm		
Ignition Coil			0.00	0.00	0.00	0.00	0.00	0.00	444	S	10 mm	No torque specified in manual	
Instrument cluster assembly			0.00	0.00	0.00	0.00	0.00	0.00	481			See Service Manual	
Magneto hex flange bolt	45	55	4.50	5.50	33.19	40.56	398.28	486.79	147	S	17 mm		
Magneto rotor bolts (6)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	146	A	5 mm		
Oil filter cover bolts (3)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	161	S	8 mm		
Oil pump bolt (6)	8	12	0.80	1.20	5.90	8.85	70.81	106.21	157	S	8 mm	Tighten in criss cross pattern	
Oil pump driven sprocket bolt	10	12	1.00	1.20	7.37	8.85	88.51	106.21	157	S	8 mm		
Oil strainer drain bolts	8	12	0.80	1.20	5.90	8.85	70.81	106.21	87	S	8 mm		
Oxygen/O2 sensor	15	20	1.50	2.00	11.06	14.75	132.76	177.01	226	S	17 mm		
Passenger grab-rail bolts		25				18.40		221.00					
Pillion back rest			0.00	0.00	0.00	0.00	0.00	0.00	86	A	5 mm	No torque specified in manual	
Pillion seat assembly frame			0.00	0.00	0.00	0.00	0.00	0.00	85	A	6 mm	No torque specified in manual	
Rear brake fluid reservoir bottom bolt		3	0.00	0.30	0.00	2.21	0.00	26.55	375	S	8 mm		
Rear brake fluid reservoir top bolt		10	0.00	1.00	0.00	7.37	0.00	88.51	375	S	10 mm		
Rear brake pedal bolt	25	35	2.50	3.50	18.44	25.81	221.27	309.78	375	A	6 mm		
Rear chain sprocket (6)	48	52	4.80	5.20	35.40	38.35	424.84	460.24	274	S	12 mm	Loctite on threads	
Rider seat	8	12	0.80	1.20	5.90	8.85	70.81	106.21	85	S	10 mm		
Rocker carrier bolts (4)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	150	S	8 mm	oil threads, criss cross pattern install	
Shock absorber bottom bolt	25	35	2.50	3.50	18.44	25.81	221.27	309.78	305	S	17 mm	Same for both sides	
Shock absorber top bolt	32	38	3.20	3.80	23.60	28.02	283.22	336.33	305	S	17 mm	Same for both sides	
Side Panel LH			0.00	0.00	0.00	0.00	0.00	0.00	86	A	5 mm	No torque specified in manual	
Side stand	20	30	2.00	3.00	14.75	22.12	177.01	265.52	237	S	12 mm		
Side stand switch	8	10	0.80	1.00	5.90	7.37	70.81	88.51	447	A	12 mm		
Silencer (muffler)			0.00	0.00	0.00	0.00	0.00	0.00				see SM pages 77, 78, 79	
Spark Plug	10	12	1.00	1.20	7.37	8.85	88.51	106.21	152	S	16 mm	Deep Socket	
Speed sensor bolt (rear wheel)	10	12	1.00	1.20	7.37	8.85	88.51	106.21	373	S	5 mm		
Star index	10	12	1.00	1.20	7.37	8.85	88.51	106.21	153	S	5 mm		
Star index stopper bolt	10	12	1.00	1.20	7.37	8.85	88.51	106.21	153	S	10 mm	Deep socket	
Starter motor bolts (2)	8	12	0.80	1.20	5.90	8.85	70.81	106.21	76	S	10 mm		
Steering stem bearing nut			0.00	0.00	0.00	0.00	0.00	0.00	307			See Service Manual	
Steering stem top yoke nut	50	60	5.00	6.00	36.87	44.25	442.54	531.04	313	S	30 mm	Different size and spec given for same nut on Pg 314??	
Subframe (hex head long bolt)	15	20	1.50	2.00	11.06	14.75	132.76	177.01	305	S	12 mm		

[illegible]