

Tightening torques 0480 - R 1200 GS/Adventure

Camhead Torques	Value
Contents:	
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11 - Engine	
11 11 - Engine block	
Bracket, engine guard to crankcase	
M10 x 90	40 Nm
Engine block, left half (preassembly)	
M10 x 110 - 10.9	Tightening torque, 25 Nm
	Additional angle of rotation, 90°
M8 x 60, bolted with sealing ring	19 Nm
Engine block, right half (preassembly)	
M10 x 130	Tightening torque, 25 Nm
	Additional angle of rotation, 90°
M10 x 110	Tightening torque, 25 Nm
	Additional angle of rotation, 90°
M8 x 80	19 Nm
M8 x 35	19 Nm
Crash bar mount to crankcase	
Rubber mount, M8	19 Nm
Oil drain plug to crankcase	
M16 x 1.5	32 Nm
Engine block, left	
M10 x 110 - 10.9	Tightening torque, 25 Nm
	Additional angle of rotation, 90°
M8 x 60, bolted with sealing ring	19 Nm
M6 x 50	8 Nm
M6 x 35	8 Nm
M6 x 25	8 Nm
Engine guard to bracket	
back, to rubber buffer, Nut M8	19 Nm
front left, M6 x 30	10 Nm
front right, M6 x 20	10 Nm
Engine block, right	
M10 x 130	Tightening torque, 25 Nm
	Additional angle of rotation, 90°
M10 x 110	Tightening torque, 25 Nm

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Camhead Torques	Value
	Additional angle of rotation, 90°
M8 x 80	19 Nm
M8 x 35	19 Nm
M6 x 50	8 Nm
M6 x 35	8 Nm
Cylinder to crankcase	
M6 x 35	8 Nm
11 12 - Cylinder head with cover	
Cylinder head cover to cylinder head	
M6	10 Nm
Cylinder head, left, to cylinder	
Nut, tie bolt, M10	tighten by stages in diagonally opposite sequence
	Tightening torque, 20 Nm
	1st additional angle of rotation, 75°
	2nd additional angle of rotation, 75°
M8 x 125	20 Nm
M6 x 30	9 Nm
Cylinder head, right, to cylinder	
Nut, tie bolt, M10	tighten by stages in diagonally opposite sequence
	Tightening torque, 20 Nm
	1st additional angle of rotation, 75°
	2nd additional angle of rotation, 75°
M8 x 125	20 Nm
M6 x 50	9 Nm
M6 x 30	9 Nm
11 14 - Housing cover	
Belt cover to engine	
M5 x 16	5 Nm
Belt cover to belt cover, rear	
TS5 x 20	3 Nm
Belt cover, rear, to alternator	
M5 x 16	5 Nm
Timing case cover to crankcase	
M6 x 30	9 Nm
Clutch cover to engine	
M6 x 16	8 Nm
11 15 - Crankcase breather	
Breather to cylinder head	
M6 x 16, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
Union, breather, to cylinder head	
M6 x 16	8 Nm
11 21 - Crankshaft with bearings	
Belt pulley to crankshaft	
M22 x 1.5	1st tightening torque, 40 Nm
	2nd tightening torque, 140 Nm
11 24 - Conrod with bearings	
Threaded fastener, conrod bearing	
Neck-down screw, M10 x 1, Replace screw	1st tightening torque, 5 Nm
Install with threads and underside of head lightly oiled	2nd tightening torque, 20 Nm
	Additional angle of rotation, 105°
11 27 - Balancing shaft	
Compensating weight to balancing shaft	
Neck-down screw, M8 x 70 - 10.9, Replace screw	Tightening torque, 10 Nm
	Additional angle of rotation, 90°

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Camhead Torques	Value
Gear wheel to balancing shaft	
M12 x 1.5	75 Nm
11 31 - Camshaft	
Sprocket to auxiliary shaft	
M5 x 16 - 10.9	8 Nm
Timing chain rail to cylinder/crankcase	
M10	18 Nm
with sealing ring	
Timing-chain rail to timing-gear carrier	
M6	8 Nm
Jump stop to timing-gear carrier	
M6 x 12	10 Nm
M6 x 72	10 Nm
Chain sprocket to crankshaft	
M6 x 16	8 Nm
Camshaft sprocket to camshaft	
M10 x 25 x 1.25 - 10.9	65 Nm
Bearing point for chain tensioner to crankcase	
M6 x 25	8 Nm
Chain tensioner to cylinder	
M18 x 1,5	45 Nm
Oil the threads	
11 33 - Rocker/follower with bearing	
Timing-gear carrier to cylinder head	
M6 x 72	in diagonally opposite sequence
	10 Nm
Support element to timing-gear carrier	
M6 x 20, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
Top section of timing-gear carrier to bottom section	
M6 x 40	10 Nm
11 40 - Oil supply	
Cooling oil line to crankcase (inside engine)	
Banjo bolt, M14 x 1.5	25 Nm
Cooling oil line to crankcase (inside engine)	
M6 x 16	8 Nm
11 41 - Oil pump with strainer and drive	
Oil pump to crankcase	
M6 x 40, Replace screws	Tightening torque, 4 Nm
	Additional angle of rotation, 90°
M6 x 45, Replace screws	Tightening torque, 4 Nm
	Additional angle of rotation, 90°
Oil-intake adapter in crankcase	
M6 x 25	8 Nm
Threaded plug in crankcase (oil pressure relief valve)	
M20 x 1.5	42 Nm
11 42 - Oil filter and lines	
Oil filter to crankcase	
Lubricate sealing ring with engine oil	11 Nm
11 61 - Intake elbow	
Air intake to cylinder head	
M6 x 20	8 Nm
12 - Engine electrical system	Value
12 12 - Ignition wiring, spark plugs	
Spark plug to cylinder head	
M10 x 1	12 Nm
12 13 - Ignition coil	

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Camhead Torques	Value
Spark plug coil cover to retaining plate/retaining plate to cylinder head	
M6 x 12	8 Nm
12 31 - Alternator with drive and fasteners	
Alternator to crankcase	
M8 x 25	18 Nm
Wiring harness to alternator	
M6, Replace nut	6 Nm
Thread-locking compound (mechanical)	
12 41 - Starter with fastener	
Starter with gearing to engine	
M8 x 60	19 Nm
Wiring harness to starter	
M8	10 Nm
12 61 - Oil pressure, oil temperature, oil-level indicators	
Oil-pressure switch to crankcase	
M12 x 1.5	30 Nm
Oil-temperature sensor to crankcase	
M14 x 1.5	16 Nm
12 72 - Transmitter for control unit	
Crankshaft sensor to gearcase cover	
M6 x 16	8 Nm
Knock sensor to cylinder	
M8 x 30	19 Nm
Camshaft sensor to cylinder head	
M6 x 16	8 Nm
Temperature sensor in cylinder head, outside	
M10 x 1	10 Nm
13 - Fuel preparation and control	Value
13 53 - Injection nozzles and lines	
Holder for injection nozzle to throttle-valve stub	
M5 x 16	5 Nm
13 71 - Intake air silencer	
Intake air silencer to rear frame	
M6 x 8	8 Nm
16 - Fuel supply	Value
16 11 - Fuel tank with filler neck	
Fuel tank with bracket to front frame	
M8 x 40	19 Nm
Filler cap to fuel filler neck	
M5 x 16	2.4 Nm
Fuel-tank mount to fairing bracket	
M8 x 20	19 Nm
Fuel filler neck to fuel tank	
M5 x 20	2.4 Nm
16 14 - Delivery, preparation and measurement, control unit, fuel pump	
Fuel pump to fuel tank	
Union nut	35 Nm
17 - Cooling	Value
17 21 - Oil cooler	
Oil cooler to fairing bracket	
M6 x 30	8 Nm
17 22 - Oil cooler lines	
Oil cooler line, flow line, to crankcase	
M6 x 16	8 Nm
Oil cooler line, return line, to crankcase	
Banjo bolt, M16 x 1.5	35 Nm

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Oil cooler line, return line, to front frame	
M6 x 12	8 Nm
Oil cooler line to fairing bracket	
M6 x 12	4.6 Nm
18 - Exhaust system	Value
18 11 - Exhaust pipe	
Manifold to cylinder head	
M8	21 Nm
Bracket, manifold to gearbox	
M6 x 38	9 Nm
18 12 - Silencer	
Silencer to rear frame	
M8 x 45	19 Nm
Clamp to silencer and exhaust manifold	
M8 x 40 - 10.9	28 Nm
18 30 - Exhaust pipe with catalytic converter or complete system	
Oxygen sensor to exhaust header	
M18 x 1.5	45 Nm
Lubricate thread, Installation tool (Optimoly TA)	
Clamp to manifold, rear	
M6 x 25	8 Nm
Clamp to manifold, rear	
M6 x 25	8 Nm
Cover to exhaust-flow control valve	
M5 x 10, Replace screw	5 Nm
Thread-locking compound (Micro-encapsulated)	
Servomotor of exhaust-flow control valve to rear frame	
M6 x 20	8 Nm
Bowden cable to exhaust-flow control valve	
Locknut, M6	5 Nm
21 - Clutch	Value
21 21 - Clutch with driver plate	
Flywheel to crankshaft	
M11 x 1.5 - 12.9, Replace screw	Tightening torque, 40 Nm
Screw oiled	Additional angle of rotation, 40°
Clutch housing cover to clutch housing	
M6 x 20 - 10.9	tighten in diagonally opposite sequence
	12 Nm
21 52 - Clutch actuation (hydraulics)	
Clutch slave cylinder to gearbox	
M6 x 18	8 Nm
Clutch line to clutch lever fitting	
Banjo bolt, M10 x 1	18 Nm
Clutch pipe to slave cylinder	
Banjo bolt with bleeder, M10 x 1	18 Nm
Bleed screw to banjo bolt	5 Nm
23 - Gearbox	Value
Gearbox oil filler plug	
M14 x 1.5	30 Nm
Gearbox oil drain plug	
M18 x 1.5	30 Nm
23 11 - Housing with cover	
Gearbox to engine block	
M8 x 35	19 Nm
M8 x 50	19 Nm
M8 x 75	19 Nm

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Gearbox cover to gearbox housing	
M6 x 38	10 Nm
23 14 - Electrical components	
Gearbox potentiometer to gearbox	
M5 x 16	5 Nm
23 31 - Internal gearshift components	
Locking lever on gearbox cover	
Flat-headed screw, M6	8 Nm
23 41 - External gearshift components	
Gearshift lever to intermediate shaft	
M6 x 25	8 Nm
Selector lever to selector shaft	
M6 x 25	8 Nm
Peg to gearshift lever	
M6 x 16	8 Nm
Locknut, ball socket on selector rod	
Nut M6	7.5 Nm
Ball end to selector lever	
Ball end M8	19 Nm
Ball end to intermediate shaft	
Ball end M8	19 Nm
31 - Front axle, front-wheel steering	
31 42 - Telescopic forks	
Clamping screw (quick-release axle) in slider tube	
M8 x 35	19 Nm
Leading link to engine	
M12 x 20	Tightening torque, 45 Nm Additional torque, 73 Nm
Spring strut to front frame	
Hex nut, M10 x 1.25	34 Nm
Thread-locking compound (Loctite 243, Medium strength)	
Sealing screw in fork plug	
M4 x 8, Replace O-ring	2.3 Nm
Spring strut, front, to leading link	
M10 x 50 x 1.25 - 10.9, Replace screw, lubricate head	34 Nm
Thread-locking compound (Micro-encapsulated), Installation tool (Optimoly TA)	
Ball joint to leading link	
M14 x 1.5, Replace nut	130 Nm
Thread-locking compound (Micro-encapsulated)	
Fork bridge to front frame	
M14 x 1.5, Replace nut	130 Nm
Thread-locking compound (Micro-encapsulated)	
Ball joint in slider-tube bridge	
M34 x 1.5	230 Nm
Thread-locking compound (Micro-encapsulated)	
Fork bridge, top, to fork fixed tube	
M10 x 1.25	40 Nm
Thread-locking compound (mechanical) or, Thread-locking compound (Loctite 2701, High strength)	
Fork bridge, lower, to slider tube	
M8 x 25, Replace screw	25 Nm
Thread-locking compound (Micro-encapsulated)	
32 - Steering	
32 71 - Motorcycle handlebars	
Handlebar weight to handlebar	
M12 x 80 x 1.5, Replace screw	21 Nm
Thread-locking compound (Micro-encapsulated)	

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Handlebar clamping block to fork bridge	
M10 x 90 - 10.9	36 Nm
Aluminium handlebar in handlebar clamping block	
M8 x 30	16 Nm
Bottom section of clamp to hand protector bottom section	
M5 x 10, Replace screw	2.5 Nm
Thread-locking compound (Micro-encapsulated)	
Top section of clamp to bottom section	
M5 x 25	4 Nm
32 72 - Handlebar lever	
Handlebar fitting to handlebar	
M5 x 20	5 Nm
Lever to handlebar fitting	
M5, Replace nut	7 Nm
Thread-locking compound (mechanical)	
Bleed screw to handlebar fitting	
M5	2.2 Nm
Fluid reservoir to handlebar fitting	
Screw for plastic, 3.5 x 20, Replace screw	1.7 Nm
33 - Rear axle, rear-wheel drive and rear-wheel guidance	
	Value
33 11 - Final-drive unit housing with cover	
Housing cover to bevel gears	
M8 x 30	tighten in diagonally opposite sequence 30 Nm
Hex nut to bevel pinion	
Clean the threads, M24 x 1.5	200 Nm
Thread-locking compound (Loctite 2701, High strength)	
Threaded ring	
M65 x 1.5	180 Nm
Oil drain plug in bevel gears	
M12 x 1	20 Nm
Oil filler plug in final drive housing	
M12 x 1.5	25 Nm
with sealing ring 12 x 16	
33 17 - Rear-wheel drive hanger	
Final drive to swinging arm	
M12 x 1.5, Replace screw	100 Nm
Thread-locking compound (Micro-encapsulated)	
Paralever reaction link to frame	
M10 x 55-10.9, Replace screw	42 Nm
Thread-locking compound (Micro-encapsulated)	
Paralever reaction link to final drive	
M10 x 55-10.9, Replace screw	42 Nm
Thread-locking compound (Micro-encapsulated)	
Lock nut, swinging arm to main frame, left	
M24 x 1.25	145 Nm
Floating-bearing stud, swinging arm to main frame, left	
M24 x 1.25	Tightening torque, 20 Nm
Lubricate thread and bearing seat, Installation tool (Optimoly TA)	slacken
	Tightening torque, 7 Nm
Fixed bearing stud, swinging arm to main frame, right	
M6 x 16	9 Nm
Cover screw in bearing stud, right	
M6 x 8	9 Nm
Link left to link right	
M6 x 16, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	

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Camhead Torques	Value
33 53 - Springs with mounts	
Spring strut to rear swinging arm	
M10 x 80 - 10.9	58 Nm
use thread-locking compound for repair, Thread-locking compound (Loctite 243, Medium strength)	
Spring strut to main frame	
M10 x 1.25 x 65 - 10.9, Replace nut, lubricate screw head	50 Nm
Thread-locking compound (mechanical), Installation tool (Optimoly TA)	
Knob for spring-strut adjustment to rear frame	
M8 x 20	19 Nm
34 - Brakes	
34 11 - Front brake	
Brake disc to front wheel	
	tighten by stages in diagonally opposite sequence
Flat-head screw for rivet package, M8 x 27 - 10.9, Replace screw	
Thread-locking compound (Micro-encapsulated)	19 Nm
Brake caliper to slider tube	
M8 - 10.9	30 Nm
Brake caliper, front, bleed screw	10 Nm
Grubscrew, brake pads	6 Nm
Bleed screw on handbrake fitting	
M5	5 Nm
34 21 - Rear brake	
Brake caliper to bevel gears	
M8 x 25	24 Nm
Brake caliper, rear, bleed screw	5 Nm
Brake disc to wheel carrier	
	tighten by stages in diagonally opposite sequence
M8 x 15.5, Replace screw	
Thread-locking compound (Micro-encapsulated)	1st tightening torque, 12 Nm
	2nd tightening torque, 30 Nm
34 31 - Brake master cylinder	
Piston rod, footbrake cylinder	
Locknut, M6	8 Nm
Footbrake cylinder to rear frame	
M6 x 20, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
Brake fluid reservoir to rear frame	
M6 x 10, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
34 32 - Brake lines	
Brake hose cover to strut	
M6 x 16	8 Nm
Brake hose with banjo bolt to components	
M10 x 1	24 Nm
Connecting element to rear frame	
M6 x 16	8 Nm
Brake line with union screw to components	
M10 x 1, M12 x 1	14 Nm
Brake line to front frame	
M6 x 16	11 Nm
34 52 - Electronic components	
Speed sensor to final drive housing cover	
M5 x 10	4 Nm
Cable clip to final drive housing cover	
M5 x 10	4 Nm
35 - Foot operation	
35 21 - Footbrake lever with connecting linkage	

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Camhead Torques	Value
Footbrake lever to rear frame	
M8 x 35	21 Nm
36 - Wheels and tyres	Value
36 31 - Wheels with bearings	
Quick-release axle in axle holder	
M24 x 1.5	50 Nm
Rear wheel to wheel carrier	
M10 x 53 x 1.25	tighten in diagonally opposite sequence
	60 Nm
Nipple on spoke	
M4	1st tightening torque, 1 Nm
	2nd tightening torque, 4 Nm
Counter-hold spokes	
Grubscrew, M4	1 Nm
46 - Frame and mounted components	Value
46 51 - Motorcycle frame	
Rear frame to gearbox	
M8 x 55 10.9, Replace screw	1. Insert all screws; 2. tighten gearbox screw first; 3. then tighten remaining screws
	28 Nm
Rear frame to engine	
Bottom, M12 x 50, Replace screw	55 Nm
Rear frame to engine, top, M10 x 40, Replace screw	38 Nm
Thread-locking compound (Micro-encapsulated)	
Front frame to engine	
M12 x 210, Install with thread-locking compound for repair	110 Nm
Thread-locking compound (Loctite 243, Medium strength)	
Frame strut to engine	
M10 x 40, Replace screw	38 Nm
Thread-locking compound (Micro-encapsulated)	
Frame struts to front frame	
M10 x 106 x 1 - 10.9, Replace screw	70 Nm
Thread-locking compound (Micro-encapsulated)	
46 52 - Centre stand	
Centre stand to main frame	
M10 x 30, Replace screw	40 Nm
Thread-locking compound (Micro-encapsulated)	
Spring engagement plate to centre stand	
M8 x 30	20 Nm
46 53 - Side stand	
Side stand to pivot mount	
M10 x 1, Replace screw	40 Nm
Thread-locking compound (Micro-encapsulated)	
46 54 - Luggage system	
Tail section to rear frame, rear	
M6 x 16, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
Stainless steel luggage carrier to rear frame, left and right	
with counter-holder, M6 x 40	8 Nm
to rear frame, centre, M6 x 40	10 Nm
Tail section to rear frame, front	
M6 x 50, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
Stainless steel luggage carrier to rear frame, top centre	
M6 x 25	10 Nm
Bearing cap to tail section	
TB screw, 4 x 10.5	2 Nm

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Camhead Torques	Value
Locking lever to tail section, one-piece	
TB screw, 4 x 10.5	2 Nm
46 61 - Front-wheel cover	
Front-wheel cover, top, to fairing bracket	
M5 x 16	2.4 Nm
Front-wheel cover, bottom, to fork slider tube bridge	
M5 x 14, Replace screw	2.4 Nm
Thread-locking compound (Micro-encapsulated)	
Spoiler, top, to front-wheel cover	
M5 x 16	2.4 Nm
Extension of front-wheel cover, top, to fairing bracket	
M5 x 20	2.4 Nm
46 62 - Rear-wheel cover, number-plate carrier	
Number-plate carrier to rear frame	
M5 x 16	2.4 Nm
Rear-wheel cover to frame, rear	
M5 x 16	2.4 Nm
Spray guard to rear-wheel drive	
M6 x 20, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
Spray guard to bracket, rear-wheel drive	
M6 x 65, Replace screw	8 Nm
Thread-locking compound (Micro-encapsulated)	
Bracket, diagnosis plug to rear-wheel cover	
3.5 x 12 - 3.6	2.4 Nm
46 63 - Motorcycle fairing, windscreen	
Valve cover guard to cylinder head	
M6 x 25	10 Nm
Trim panels	
M5	2.5 Nm
Fairing bracket to front frame	
Bottom, M6 x 16, Replace screw	11 Nm
Thread-locking compound (Micro-encapsulated)	
Top, M6 x 25, Replace screw	11 Nm
Thread-locking compound (Micro-encapsulated)	
Windscreen to windscreen holder, top	
M5 x 20, Replace screw	2.5 Nm
Thread-locking compound (mechanical)	
Lug to fairing bracket	
M5 x 16	5 Nm
Side panel, bottom right, with side panel, fuel tank, to holder	
M5 x 20	3 Nm
Headlight carrier to fairing bracket	
M5 x 16	5 Nm
Holder for Rider's Manual to intake air silencer	
M5 x 16	3 Nm
Windscreen to windscreen holder, bottom	
M5 x 18	2.5 Nm
Tank guard to crash bar	
M8 x 40	19 Nm
Side element, crash bar, to tank guard	
M5 x 16	5 Nm
Tank guard to fairing bracket/crash bar	
M6 x 16	9 Nm
Crash bar to crankcase	
M10 x 30	25 Nm
Crash bar to front frame	

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Camhead Torques	Value
M6 x 16, Replace screw	9 Nm
Thread-locking compound (mechanical)	
51 - Trim panels	Value
51 16 - Mirrors, covers, ashtrays, stowage compartments	
Mirror (locknut) to adapter	
Left-hand thread, M10 x 1.25	22 Nm
Adapter to clamping block	
M10 x 14 - 4.8	25 Nm
51 25 - Other fasteners	
Ignition/steering lock to fork bridge	
Non-removable screw, M8, Replace screw	20 Nm
Thread-locking compound (Micro-encapsulated)	
Locking bar to seat lock	
Plastic screw, 4 x 10	2 Nm
Cap to ignition switch/steering lock	
M3 x 20	0.6 Nm
52 - Seats and seat bench	Value
52 53 - Seat	
Front-seat bracket to rear frame	
Nut, M5	4 Nm
Latch for front seat to rear frame	
Nut, M5	4 Nm
61 - General vehicle electrics	Value
61 11 - Wiring harness	
Wiring harness with cable duct to rear frame	
M5 x 12	1.5 Nm
Wiring harness with cable duct to front frame	
M4 x 14	1.6 Nm
61 13 - Plug, terminal	
Wiring harness earth to cylinder head	
M6 x 10	8 Nm
Wiring harness earth to crankcase	
M6 x 12 - 10.9	8 Nm
Bracket, terminating resistor to rear-wheel cover	1 Nm
On-board socket to rear-wheel cover	
M18 x 1	3 Nm
61 21 - Battery with holder	
Wiring harness to battery	
M6	3.5 Nm
Battery holder to intake air silencer	
M5 x 16	5 Nm
61 31 - Switch, sensor	
Multifunction switch to handlebar grip	
PT screw K30 x 10	0.6 Nm
Rear brake light switch to footrest plate	
M5 x 10	5 Nm
Handlebar grip, left, to handlebar	
M3.5 x 32	2 Nm
Brake-light switch to handlebar fitting	
Grub screw, M4 x 8	0.6 Nm
Thread-locking compound (Micro-encapsulated)	
for re-use, Thread-locking compound (Loctite 243, Medium strength)	
Cover to multifunction switch	
PT screw K30 x 10	0.6 Nm
Cover to throttle-twistgrip unit	
Pan-head screw, 4 x 30	3 Nm

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Throttle-twistgrip unit to handlebar (clamp)	
M5 x 20	5 Nm
Clutch switch to handlebar fitting	
Screw, M2 x 12	0.3 Nm
Grub screw, M4 x 8	0.6 Nm
Thread-locking compound (Micro-encapsulated)	
for re-use, Thread-locking compound (Loctite 243, Medium strength)	
61 33 - Horn	
Horn to frame	
M6 x 12	6 Nm
62 - Instruments	Value
62 21 - Instrument carrier	
Bracket, instrument cluster to headlight housing	
Screw for plastic, 3,5 x 12	1 Nm
63 - Lights	Value
63 12 - Headlight	
Headlight to headlight carrier	
M6 x 30	5 Nm
63 13 - Flashing turn indicators, front	
Flashing turn indicator to headlight carrier	
M6 x 16	2 Nm
Glass to turn indicator housing, front	0.6 Nm
63 21 - Rear-light cluster	
Rear light to number-plate carrier	
M6, Replace nut	4 Nm
Thread-locking compound (mechanical)	
63 23 - Flashing turn indicators, rear	
Flashing turn indicator to number-plate carrier	
M6 x 22	2 Nm
Thread-locking compound (mechanical)	
Glass to turn indicator housing, rear	0.6 Nm
71 - Parts and accessories for engine and frame and suspension	Value
71 11 - Accessory to engine	
Pipe clamp to retaining plate, engine guard	
M6 x 16	8 Nm
Engine guard to bracket for engine guard	
M6 x 25	8 Nm
M6 x 20	8 Nm
Bracket, engine guard, front, to crankcase	
M10 x 90	40 Nm
Right, M6 x 16	8 Nm
Bracket, engine guard, rear, to crankcase	
M8 x 20 - 10.9	19 Nm
Retaining plate, engine guard, to engine guard	
M6 x 16	8 Nm
71 32 - Accessory to handlebar	
Hand protector, large, to hand protector bottom section	
M5 x 12	2.5 Nm
Thread-locking compound (mechanical)	
Handlebar cross-member to handlebars	
M6 x 25	7 Nm
71 54 - Accessories for luggage carrier	
Attachment, holder for tank rucksack to centre trim panel	
M5 x 18	2.4 Nm
Topcase carrier to luggage carrier	
M6 x 20	9 Nm

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Camhead Torques	Value
71 60 - Miscellaneous accessories	
Holder to stay of windscreen	
M5 x 12	3 Nm
Advanced Mount Cradle to holder	
M4 x 20	1 Nm
77 - Optional accessories, motorcycle	
Value	
77 11 - Exhaust system	
Cover to silencer	
M5 x 12	3 Nm
77 12 - Housing cover, cover, cover panel	
Cover/guard to cylinder head	
M6 x 25	8 Nm
77 25 - Frame, footrests, mounted parts	
Frame guard to frame	
M5	5 Nm
Frame guard to clamp	
M6	8 Nm