

Electrical

Application	Torque (Nm)	Notes
Alternator rotor to crankshaft	120 Nm	Fit new fixing(s) if loosened or removed
Alternator stator to cover	12 Nm	Fit new fixing(s) if loosened or removed
Alternator regulator to bracket	7 Nm	
Starter motor to crankcase	10 Nm	
Starter motor power lead connection	5 Nm	
Starter motor solenoid lead connection	5 Nm	
Spark plug to cylinder head	12 Nm	
Horn	18 Nm	
Immobiliser ECU	1.5 Nm	
Ignition switch	12 Nm	Fit new fixing(s) if loosened or removed
Instrument pack	3 Nm	
Rear light	4 Nm	
Licence plate light	2 Nm	
Front and rear indicator	3 Nm	
Headlight to front subframe	3.5 Nm	
Battery earth cable to ground	10 Nm	
USB charger	20 Nm	
Auxiliary socket	4 Nm	Fit new fixing(s) if loosened or removed

Frame and Bodywork

Application	Torque (Nm)	Notes
Left hand upper crankcase to frame	100 Nm	Refer to Engine - Installation
Right hand upper crankcase to frame	85 Nm	Refer to Engine - Installation
Left hand lower crankcase to frame	100 Nm	Refer to Engine - Installation
Right hand lower crankcase to frame	85 Nm	Refer to Engine - Installation
Front cylinder head to frame - left hand	100 Nm	Refer to Engine - Installation
Front cylinder head to frame - right hand	85 Nm	Refer to Engine - Installation
Rear cylinder head to frame - left hand	85 Nm	Refer to Engine - Installation
Rear cylinder head to frame - right hand	85 Nm	Refer to Engine - Installation
Engine mounting bracket to cylinder head	30 Nm	Refer to Engine - Installation
Control plate to frame	9 Nm	
Engine to frame adjuster	5 Nm	Refer to Engine - Installation
Swinging arm to frame adjuster	5 Nm	Refer to Swinging Arm/Drive Chain - Installation
Rear footrest hanger to frame	27 Nm	
Side stand mounting bracket	40 Nm	
Side stand switch	7 Nm	Fit new fixing(s) if loosened or removed

Application	Torque (Nm)	Notes
Side stand stop	3 Nm	
Rear subframe to frame fixings	60 Nm	
Bank angle peg to footrest	9 Nm	
Seat lock to frame	5 Nm	
Front subframe and headlight bracket	30 Nm	
Rear subframe bridge protector	5 Nm	
Front subframe support moulding	6 Nm	
Mirror	25 Nm	
Rear panels to frame	3 Nm	
Rear panel finisher	1 Nm	
Rear grab handles	27 Nm	
Front mudguard to forks	3 Nm	Fit new fixing(s) if loosened or removed
Licence plate hanger	9 Nm	
Hugger	7 Nm	
Seat infill panels	3 Nm	
Belly pan front mounting brackets	15 Nm	
Belly pan rear mounting brackets	7 Nm	
Belly pan front moulding to side panels	1.5 Nm	
Belly pan to rear mounting brackets	3 Nm	
Battery tray	7 Nm	Fit new fixing(s) if loosened or removed

Application	Torque (Nm)	Notes
USB bracket to battery tray	7 Nm	Fit new fixing(s) if loosened or removed
Rear licence plate moulding	3 Nm	
Cockpit side panels	3 Nm	
Cockpit main rail	5 Nm	
Cockpit finisher	1 Nm	
Cockpit mount boss fixing	3 Nm	
Windscreen moulding	3 Nm	
Cockpit assembly to headlight	3 Nm	

ABS

Application	Torque (Nm)	Notes
ABS module to bracket	9 Nm	Fit new fixing(s) if loosened or removed
ABS sensor ring to brake disc	5 Nm	Fit new fixing(s) if loosened or removed
ABS sensor to bracket	9 Nm	Fit new fixing(s) if loosened or removed
ABS lines to modulator	15 Nm	
ABS brake line to front brake hose	15 Nm	
Rear brake light switch moulding	4 Nm	
Front brake line to headstock	9 Nm	
Front brake line clamp fixing	3 Nm	

Rear Brakes

Application	Torque (Nm)	Notes
Rear brake caliper to carrier	40 Nm	Fit new fixing(s) if loosened or removed
Rear brake pad retaining pin	18 Nm	
Rear brake caliper bleed screw	6 Nm	
Rear brake hose to caliper	25 Nm	
Rear brake master cylinder to control plate	22 Nm	
Rear brake master cylinder reservoir to mounting	7 Nm	
Rear brake hose to master cylinder	25 Nm	
Control plate to frame	9 Nm	
Heel guard to control plate	7 Nm	
Brake pedal pivot bolt	22 Nm	Fit new fixing(s) if loosened or removed
Brake line cover	6 Nm	Fit new fixing(s) if loosened or removed
Rear brake disc to axle shaft	22 Nm	Fit new fixing(s) if loosened or removed
Rear brake light switch	4 Nm	

Front Brakes

Application	Torque (Nm)	Notes
Front brake caliper to fork	55 Nm	
Front brake pad retaining pin	18 Nm	
Front brake caliper bleed screw	6 Nm	
Front brake hose to caliper	25 Nm	
Front brake master cylinder to handlebar	12 Nm	
Front brake hose to master cylinder	25 Nm	
Front brake disc to wheel	22 Nm	Fit new fixing(s) if loosened or removed
Brake lever pivot bolt	1 Nm	
Brake lever pivot bolt locknut	6 Nm	
Front brake master cylinder reservoir capscrews	1 Nm	

Wheels

Application	Torque (Nm)	Notes
Front wheel spindle/axle fixing	95 Nm	
Front wheel spindle pinch bolts	22 Nm	
Rear wheel to stub axle	146 Nm	
Cush drive housing to stub shaft	146 Nm	
Drive pin to stub axle	9 Nm	Fit new fixing(s) if loosened or removed
Tyre valve - models without tyre pressure monitoring system	6 Nm	
Tyre valve - models with tyre pressure monitoring system	5 Nm	

Front Suspension

Application	Torque (Nm)	Notes
Upper yoke pinch bolt	20 Nm	
Lower yoke pinch bolt	20 Nm	
Fork top cap	35 Nm	
Upper yoke centre nut	90 Nm	
Damping cylinder fixing	19 Nm	Fit new sealing washer(s)
Front fork damping cylinder (Speed Triple R)	19 Nm	
Damping rod locknut	20 Nm	
Handlebar clamp base to top yoke	62 Nm	Fit new fixing(s) if loosened or removed
Handlebar upper clamp to lower clamp	26 Nm	
Twist grip housing	2.5 Nm	
Switch housing fixings	2.5 Nm	
Cable guide	7 Nm	
Switches - Left hand and right hand switch housings	2 Nm	
Left hand grip	3 Nm	
Front mudguard brackets	4 Nm	Fit new fixing(s) if loosened or removed
Handguards to brackets	4 Nm	

Rear Suspension

Application	Torque (Nm)	Notes
Swinging arm spindle nut	110 Nm	
Rear caliper carrier	27 Nm	
Rear hub/eccentric adjuster clamp fixing	55 Nm	
Rear suspension unit upper mounting fixing	55 Nm	
Rear suspension unit lower mounting fixing to drop link	55 Nm	
Drag link pivot at frame	55 Nm	
Drop links to swinging arm	55 Nm	
Swinging arm pivot adjuster	5 Nm	Refer to Swinging Arm/Drive Chain - Installation
Lower chain guard	7 Nm	Fit new fixing(s) if loosened or removed
Hugger	7 Nm	
Spindle finisher	1 Nm	

Exhaust

Application	Torque (Nm)	Notes
Exhaust downpipe to cylinder head	23 Nm	Refer to Exhaust System - Installation
Exhaust downpipe to frame	15 Nm	
Exhaust downpipe clamp to silencer	10 Nm	Torque every service
Silencer to frame	15 Nm	
Silencer heat shields	5 Nm	
Oxygen sensor	25 Nm	
Catalytic converter heat shield	5 Nm	

Fuel

Application	Torque (Nm)	Notes
Fuel tank to headstock (front fixing)	9 Nm	Fit new fixing(s) if loosened or removed
Fuel tank to frame brackets (rear fixings)	7 Nm	
Fuel tank brackets to frame	9 Nm	
Fuel cap to fuel tank	4 Nm	
Fuel pump mounting plate to fuel tank	9 Nm	
Fuel tank drain hose guide	7 Nm	
Throttle body transition piece to cylinder head	8 Nm	Fit new fixing(s) if loosened or removed
Secondary air injection solenoid bracket	3 Nm	
Air temperature sensor	4 Nm	
MAP sensor	3 Nm	
Fall detection switch	3 Nm	Fit new fixing(s) if loosened or removed
Crankshaft sensor	10 Nm	Fit new fixing(s) if loosened or removed
Throttle body adaptor clamp	1.5 Nm	
Immobiliser and TPMS module	1.5 Nm	
Gear position sensor	5 Nm	

Cooling

Application	Torque (Nm)	Notes
Water pump to crankcase	10 Nm	
Radiator to frame	9 Nm	
Water elbow to head	8 Nm	
Thermostat housing to head	8 Nm	
Crankcase coolant drain plug	8 Nm	
Water temperature sensor	18 Nm	Apply ThreeBond 1374 to the threads
Radiator side panel bracket	6 Nm	Fit new fixing(s) if loosened or removed
Expansion tank bracket to frame	4 Nm	
Radiator side panel assembly	3 Nm	
Radiator bleed screw	9 Nm	
Cooling fan to radiator	3 Nm	

Final Drive

Application	Torque (Nm)	Notes
Rear sprocket to cush drive	33 Nm	
Chain guard fixings	7 Nm	
Cush drive housing to shaft	146 Nm	
Chain guard lower	7 Nm	Fit new fixing(s) if loosened or removed
Inner chain rubbing strip, upper	5 Nm	
Inner chain rubbing strip, lower	6 Nm	Fit new fixing(s) if loosened or removed

Lubrication

Application	Torque (Nm)	Notes
Sump to crankcase	12 Nm	
Sump drain plug to sump	25 Nm	Fit new sealing washer(s)
Oil pressure relief valve	15 Nm	Apply ThreeBond 1305 to the threads
Low oil pressure warning light switch to crankcase	13 Nm	Fit new sealing washer(s)
Oil filter adapter	10 Nm	Apply ThreeBond 1305 to the threads
Oil filter to adapter	10 Nm	Apply clean engine oil to the seal(s)
Oil cooler pipe unions	9 Nm	Fit new fixing(s) if loosened or removed
Oil cooler mounting bracket to crankcase	10 Nm	
Oil cooler to bracket	9 Nm	
Oil pump to crankcase	12 Nm	
Oil pump drive sprocket to pump shaft	15 Nm	Fit new fixing(s) if loosened or removed
Oil feed pipe union to head	25 Nm	
Transmission oil feed pipe to crankcase	8 Nm	

Transmission

Application	Torque (Nm)	Notes
Output sprocket to output shaft	132 Nm	Fit new tab washer(s)
Input shaft bearing retainer	12 Nm	Fit new fixing(s) if loosened or removed
Detent wheel to selector drum	12 Nm	Fit new fixing(s) if loosened or removed
Detent arm fixing	12 Nm	Fit new fixing(s) if loosened or removed
Selector drum bearing retaining fixing	12 Nm	Fit new fixing(s) if loosened or removed
Selector shaft plug	25 Nm	Fit new fixing(s) if loosened or removed
Detent spring abutment bolt	15 Nm	Fit new fixing(s) if loosened or removed
Gear pedal crank pinch bolt	8 Nm	
Gear change rod locknuts	6 Nm	
Gear pedal pivot bolt	22 Nm	Fit new fixing(s) if loosened or removed
Gear position sensor	5 Nm	Fit new fixing(s) if loosened or removed

Engine Covers

Application	Torque (Nm)	Notes
Clutch cover to crankcase	10 Nm	Refer to Clutch - Installation
Sprocket cover to crankcase	7 Nm	
Alternator cover to crankcase	10 Nm	Refer to Alternator - Installation
Wire retainer on alternator cover	6 Nm	
Crank cover to crankcase	10 Nm	Refer to Starter Drive Gears/Sprag Clutch - Installation
Starter cover to crank cover	10 Nm	Refer to Starter Drive Gears/Sprag Clutch - Installation
Crank cover inspection plate	18 Nm	Refer to Starter Drive Gears/Sprag Clutch - Installation
Clutch cable guide on crank cover	10 Nm	

Crankshaft and Crankcases

Application	Torque (Nm)	Notes
Crankcase upper to lower (M8 fixings)	*	Refer to Crankcases - Assembly
Crankcase upper to lower (M6 fixings)	*	Refer to Crankcases - Assembly
Connecting rod big end nut	*	Refer to Connecting Rods - Installation
Balancer retaining fixing	60 Nm	Apply ThreeBond 1305 to the threads
Big end bearings	*	Refer to Connecting Rods - Installation
Crankcase coolant drain plug	8 Nm	Fit new sealing washer(s)
Breather plate to crankcase	12 Nm	Fit new fixing(s) if loosened or removed
Sprag clutch to crankshaft	54 Nm	Fit new fixing(s) if loosened or removed
Stud on upper crankcase	4 Nm	Fit new fixing(s) if loosened or removed
Crankshaft balancer gear fixings	35 Nm	

Clutch

Application	Torque (Nm)	Notes
Clutch cover to crankcase	10 Nm	
Clutch centre nut	150 Nm	Fit new fixing(s) if loosened or removed
Clutch pressure plate to centre drum	10 Nm	
Clutch lever clamp fixings	12 Nm	
Clutch lever nut	3.5 Nm	
Switch housing fixings (left)	2.5 Nm	
Clutch cable to crankcase locknut	3 Nm	
Clutch actuator arm pinch bolt	10 Nm	Fit new fixing(s) if loosened or removed

Cylinder Head

Application	Torque (Nm)	Notes
Camshaft cover to cylinder head	14 Nm	
Secondary air injection valve covers to camshaft cover	9 Nm	
Camshaft drive chain tensioner to crankcase	9 Nm	
Camshaft drive chain tensioner centre bolt	23 Nm	
Camshaft bearing caps and camshaft bearing ladder to head	10 Nm	Refer to Camshafts - Installation
Camshaft sprocket to camshaft	15 Nm	Fit new fixing(s) if loosened or removed
Camshaft drive chain tensioner blade to crankcase	18 Nm	
Camshaft drive chain rubbing blade to crankcase	18 Nm	
Camshaft drive chain top pad to cylinder head	10 Nm	
Cylinder head to crankcase (M6 fixings)	10 Nm	
Cylinder head to crankcase bolts	*	Refer to Cylinder Head - Installation
Cylinder head dry seal plug	25 Nm	Fit new fixing(s) if loosened or removed
Sound suppression bolt in head	10 Nm	
Oil feed pipe	25 Nm	
Spark plugs	12 Nm	
Cylinder head exhaust stud	10 Nm	Fit new fixing(s) if loosened or removed

Application	Torque (Nm)	Notes
Bypass spigot	15 Nm	Fit new fixing(s) if loosened or removed
Cam cover airbox bracket	12 Nm	