Shifthead R1250 SC GS/GSA

Tightening torques R 1250 GS

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| 77: Optional Accessories | | |
|--|-----------------------------------|--|
| 11 - Engine | Value | |
| 11 11 - Engine block | | |
| Threaded plug for locking at TDC in crankcase | | |
| M16 x 1.5 | 30 Nm | |
| Bracket, engine guard to crankcase | | |
| M8 x 25 | 19 Nm | |
| Oil drain plug to crankcase | | |
| M20 x 1.5 | 42 Nm | |
| Assembly of crankcase | | |
| M10 x 130 | Tightening torque, 25 Nm | |
| | Additional angle of rotation, 90° | |
| Engine guard to bracket | | |
| M6 x 20 | 8 Nm | |
| Anti-twist plate (friction bearing) to crankcase | | |
| M6 x 25 | 12 Nm | |
| Assembly of crankcase | | |
| M6 x 30 | 12 Nm | |
| Assembly of crankcase | | |
| M8 x 80 | 19 Nm | |
| Diaphragm valve to crankcase | | |
| M6 x 16 | 12 Nm | |
| Threaded plug (connection for oil pressure measurement) in crankcase | | |
| M10 x 1 | 10 Nm | |
| Coolant drain plug in crankcase | | |
| M10 x 1 | 15 Nm | |
| Coolant filler adapter in crankcase | | |
| M10 x 1 | 10 Nm | |
| 11 12 - Cylinder head with cover | | |

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|---|---|
| Tightening torques R 1250 GS | • |
| Cylinder head cover to cylinder head | |
| M6 x 76 | 10 Nm |
| Cylinder head to crankcase | |
| M10 x 110 | tighten in diagonally opposite sequence |
| | 1st tightening torque, 5 Nm |
| | 2nd tightening torque, 20 Nm |
| | 3rd tightening torque, 40 Nm |
| | Additional angle of rotation, 120° |
| M6 x 25 | 12 Nm |
| M6 x 95 | 12 Nm |
| Slip pad to cylinder-head cover | 12 14111 |
| M6 x 14 | 9 Nm |
| | 9 11111 |
| Camshaft bearing cap to cylinder head M6 x 35 | tighton alternately |
| INIO Y 22 | tighten alternately |
| Oil filler consults and index been decreased | 10 Nm |
| Oil filler screw in cylinder head cover | |
| M34 x 1.5 | 8 Nm |
| 11 14 - Housing cover | |
| Crankcase cover to crankcase | |
| M6 x 20 | Tightening sequence: see Repair Manual |
| | 12 Nm |
| Oil tank to front cover | |
| M5 x 16 | 5 Nm |
| 11 15 - Crankcase breather | |
| Breather cover to gearbox cover | |
| M6 x 20 | 12 Nm |
| Breather wheel to crankshaft | |
| M10 x 1 x 25 | 40 Nm |
| 11 24 - Conrod with bearings | |
| Conrod bolt | |
| M10 x 1 x 50 - 13.9, Replace screw | 1st tightening torque, 5 Nm |
| Thread and seating face of the screw oiled | 2nd tightening torque, 20 Nm |
| Thread and seating face of the second enea | Additional angle of rotation, 150° |
| | Slacken and then retighten the bolt |
| | 1st tightening torque, 5 Nm |
| | 2nd tightening torque, 20 Nm |
| | Additional angle of rotation, 150° |
| 11 26 - Starter freewheel, layshaft | Additional aligne of rotation, 130 |
| Freewheel housing to alternator | |
| M8 x 16 - 12.9 | 35 Nm |
| | OS IIIII |
| Sleeve (axial stop, freewheel gear) to crankcase | 10 Nm |
| M6 x 50, for re-use | 10 Nm |
| Thread-locking compound (Loctite 243, Medium strength) | |
| 11 31 - Camshaft | |
| Camshaft sprocket to camshaft | 1221 |
| left exhaust camshaft, M10 x 1.25 x 35 - 10.9 | 65 Nm |
| other camshafts, M10 x 1.25 x 25 - 10.9 | 65 Nm |
| Trigger for camshaft sensor to camshaft | |
| M5 x 20 | 6 Nm |
| Securing screw for intermediate shaft axle in cylinder head | |

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|---|---------|
| Tightening torques R 1250 GS | • |
| M6 x 14 | 8 Nm |
| Sprocket to intermediate shaft | O MIII |
| M6 x 12 | 10 Nm |
| other camshafts, M10 x 1.25 x 25 - 10.9 | 65 Nm |
| Chain tensioner to cylinder | 03 1411 |
| M18 x 1.5 | 30 Nm |
| 11 41 - Oil pump with strainer and drive | |
| Oil-pump cover to crankcase | |
| M6 x 16 | 8 Nm |
| Oil intake in crankcase | |
| M6 x 20 | 8 Nm |
| Threaded plug for oil pressure control valve in crankcase | |
| M24 x 1.5 | 42 Nm |
| 11 42 - Oil filter and lines | |
| Oil filter to crankcase | |
| Lubricate sealing ring with engine oil | 11 Nm |
| Oil filter adapter to crankcase | |
| M20 x 1.5 | 35 Nm |
| 11 51 - Coolant pump with drive | |
| Coolant pump to crankcase | |
| M6 x 40 | 12 Nm |
| 11 53 - Thermostat and on-engine coolant lines | |
| Coolant adapter for thermostat to crankcase | |
| M6 x 16 | 12 Nm |
| Coolant adapter to crankcase | |
| M6 x 16 | 12 Nm |
| 11 78 - Exhaust controls | |
| Oxygen sensor to exhaust manifold | |
| M18 x 1.5 | 45 Nm |
| Lubricate thread, Installation tool (Optimoly TA) | |
| 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 | |
| Cover for coil to cylinder head | |
| M5 x 20 | 5 Nm |
| 12 31 - Alternator with drive and fasteners | |
| Rotor to crankshaft | |
| M24 x 1.5 | 250 Nm |
| Coil carrier to crankcase | |
| M6 x 20 | 12 Nm |
| Stator to coil carrier | |
| M6 x 40 | 10 Nm |
| 12 32 - Regulator | |
| Voltage regulator to rear-wheel cover | |
| M5 x 25 | 5 Nm |
| 12 41 - Starter with fastener | |
| Starter to gearbox cover | |
| M6 x 40 | 12 Nm |
| | |

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| Tightening torques R 1250 GS | |
| Wiring harness (ground) to starter | |
| M6 x 10 | 8 Nm |
| Wiring harness (positive) to starter | |
| M6, Replace nut | 8 Nm |
| Thread-locking compound (mechanical) | |
| 12 61 - Oil pressure, oil temperature, oil-level indicators | |
| Oil-level sensor to gearbox cover | |
| M6 x 16 | 8 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| 12 62 - Coolant temperature | |
| Coolant-temperature sensor to coolant port | |
| M12 x 1.5 | 15 Nm |
| 12 72 - Transmitter for control unit | 25 |
| Crankshaft sensor on crankcase | |
| M6 x 14 | 8 Nm |
| Camshaft sensor to cylinder head | |
| M6 x 16 | 8 Nm |
| 13 - Fuel preparation and control | Value |
| • • | value |
| 13 53 - Injection nozzles and lines | |
| Injection valve to cylinder head | |
| M5 x 20 | 5 Nm |
| 13 64 - Injection valves, start valves | |
| Cover for injection valve to cylinder head | |
| M5 x 20 | 5 Nm |
| 13 71 - Intake air silencer | |
| Intake air silencer to tank bracket | |
| M6 x 25 | 8 Nm |
| 13 72 - Air filter | |
| Air filter cover to intake air silencer | |
| M5 x 50 | in diagonally opposite sequence |
| | 3 Nm |
| 16 - Fuel supply | Value |
| 16 11 - Fuel tank with filler neck | |
| Tank bracket to frame | |
| M6 x 12 | 8 Nm |
| Fuel tank to frame | |
| M8 x 45 | 19 Nm |
| Fuel filler cap to fuel tank | |
| M5 x 28 | 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 11 - Radiator with fasteners | Talue Talue |
| Radiator to front panel carrier | |
| Special thread for light alloy, 6 x 25 | 12 Nm |
| Radiator to frame | 14 IVIII |
| M6 x 25 | 8 Nm |
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|--|---------------------------|
| Tightening torques R 1250 GS | |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| 17 13 - Expansion tank | |
| Expansion tank to intake air silencer | |
| Screw for plastic, 5.5 x 16 | 4 Nm |
| 18 - Exhaust system | Value |
| 18 51 - Exhaust system parts with mountings | |
| Bracket for exhaust manifold/servomotor to gearbox | |
| M6 x 25 | 8 Nm |
| Servomotor to bracket | |
| Screw for plastic, 5 X 12 | 2 Nm |
| Exhaust header to cylinder head | |
| M8 | 19 Nm |
| Cover to silencer / exhaust manifold | |
| M5 x 10 | 5 Nm |
| Clamp to silencer and exhaust manifold | 22 Nm |
| Silencer to rear frame | |
| M8 x 35 | 19 Nm |
| Clamp to silencer | |
| M5 x 16 | 8 Nm |
| Thread-locking compound (Loctite 243, Medium strength) | |
| Plastic cover to silencer | |
| M5 x 10 | 5 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| 21 - Clutch | Value |
| 21 21 - Clutch with driver plate | |
| Clutch hub to layshaft | |
| M20 x 1.5, Replace nuts and lubricate with engine oil | Tightening torque, 150 Nm |
| | Fully slacken nut |
| | Tightening torque, 150 Nm |
| Clutch cage to balancing shaft | |
| M36 x 1.5, Replace nuts and lubricate with engine oil | Tightening torque, 170 Nm |
| | Slacken the nut |
| | Tightening torque, 250 Nm |
| Drive gear to clutch cage | |
| M8 x 15.5 | 22 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Mounting plate to clutch hub | |
| M6 x 30 | 10 Nm |
| lubricate with engine oil | |
| 21 52 - Clutch actuation (hydraulics) | |
| Clutch slave cylinder to gearbox cover | |
| M6 x 20 | Tighten the screws twice |
| | 8 Nm |
| Clutch line to clutch lever fitting | |
| M10 x 1 | 7 Nm |
| Clutch line to clutch slave cylinder | |
| M10 x 1 | 7 Nm |
| | |

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| Tightening torques R 1250 GS | , |
| Bleed screw to clutch slave cylinder | 5 Nm |
| | |
| 23 - Gearbox | Value |
| 23 11 - Housing with cover | |
| Gearbox cover to crankcase | |
| M6 x 25 | 12 Nm |
| Shift-mechanism cover to gearbox cover | |
| M6 x 20 | 12 Nm |
| 23 12 - Bearing in housing, sealing rings | |
| Retaining plate for fixed mount to gearbox cover | |
| Inside, M6 x 16 | Tightening torque, 8 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | Additional angle of rotation, 90° |
| at end, M6 x 25 | Tightening torque, 8 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | Additional angle of rotation, 90° |
| 23 14 - Electrical components | |
| Gearbox potentiometer to gearbox cover | |
| M5 x 14 - 10.9 | 5 Nm |
| 23 31 - Internal gearshift components | |
| Retaining plate for selector drum to gearbox cover | |
| M6 x 16 | 10 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Locking lever on gearbox cover | |
| M6 x 18 | Tightening torque, 8 Nm |
| | Additional angle of rotation, 90° |
| 23 41 - External gearshift components | |
| Selector lever to selector shaft | |
| M6 x 30 | 8 Nm |
| Peg (clamp) to shift lever | |
| M6 x 16 | 8 Nm |
| Gearshift lever to frame | |
| M8 x 25 | 19 Nm |
| Ball end to shift lever | |
| M8 | 19 Nm |
| Ball joint to shift rod | |
| Locknut, M6 | 8 Nm |
| 31 - Front axle, front-wheel steering | Value |
| 31 42 - Telescopic forks | |
| Clamping screw for quick-release axle in telescopic fork | |
| M8 x 35 | 19 Nm |
| Leading link to engine | |
| M14 x 1.5 | 120 Nm |
| Sealing screw in fork plug | |
| M4 x 8, Replace O-ring | 2.5 Nm |
| Ball joint to leading link | |
| M14 x 1.5 | 130 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| Stud bolts in fork bridge | |
| <u>-</u> | • |

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| Tightening torques R 1250 GS | |
| M14 x 1.5 | 130 Nm |
| Thread-locking compound (Micro-encapsulated) | 150 Mili |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| 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 35 | 19 Nm |
| 31 48 - Spring strut, mounting parts | 15 (11) |
| Spring strut, front, to frame and leading link | |
| M10 x 1.5 x 55 - 10-9 | 56 Nm |
| Thread-locking compound (Micro-encapsulated) | SO NIII |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| ride-height sensor to tank bracket | |
| M5 | 5 Nm |
| Ball end to leading link/ride-height sensor | |
| M6 x 14.5 | 8 Nm |
| Actuator rod to ride-height sensor | |
| M6 | 8 Nm |
| 32 - Steering | Value |
| 32 71 - Motorcycle handlebars | Value |
| Handlebar weight to handlebar | |
| M10 x 50 | 40 Nm |
| Clamping block (handlebar clamp) on fork bridge | 40 (1)11 |
| Clamping block (nandiebar clamp) on fork bridge | tighten in riding direction at the front of the |
| M8 x 35 | block |
| INIO X 33 | 19 Nm |
| Hand protector to bracket | 15 MIII |
| M5 x 14.5 | 2 Nm |
| 32 72 - Handlebar lever | 2 (1)(1) |
| Cap to reservoir | |
| M4 x 16 | 2.5 Nm |
| Handlebar fitting to handlebar | 2.5 (4)(1) |
| M6 x 30 | 8 Nm |
| Lever to handlebar fitting | OTALL |
| M5, Replace nut | 7 Nm |
| Thread-locking compound (mechanical) | / Will |
| Thread locking compound (mechanical) | |
| | |
| 33 - Rear axle, rear-wheel drive and rear-wheel guidance | Value |
| 33 35 - Rear wheel swinging arm with pivot mount, link | |
| Bevel gears to swinging arm | |
| M12 x 1.5 | 100 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| Locknut (bearing stud) to frame | |
| M24 x 1.25 | 145 Nm |
| Floating bearing stud (swinging arm) to frame | |
| M24 x 1.25 | Tightening torque, 15 Nm |
| Lubricate thread and bearing seat, Installation tool (Optimoly TA) | Loosen |

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| | |
| Bearing stud, swinging arm to frame, left | |
| M27 x 1.25 | 100 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| Paralever link to bevel gears | |
| M10 x 60 - 10.9 | 56 Nm |
| Thread-locking compound (Micro-encapsulated) | 3614111 |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| Paralever link to frame | |
| M10 x 60 - 10.9 | 56 Nm |
| Thread-locking compound (Micro-encapsulated) | 3614111 |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| 33 54 - Spring strut, mounting parts | |
| Spring strut to frame | |
| M12 x 1.5 x 60 | 100 Nm |
| Thread-locking compound (Micro-encapsulated) | 100 NIII |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| Spring strut to swinging arm | |
| M12 x 1.5 x 75 - 10.9 | 100 Nm |
| | 100 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| Retaining plate (ride-height sensor) to frame | 0.11 |
| M6 x 35 | 8 Nm |
| Ball end (actuator rod) to rear wheel swinging arm | |
| M6 | 8 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Ball end (actuator rod) to ride-height sensor | |
| Nut, M6 | |
| Ball end, M6 | 8 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Spray guard to spring strut | |
| M4 x 6 | 3 Nm |
| Thread-locking compound (Loctite 243, Medium strength) | |
| 33 74 - Bevel gears, rear | |
| Cover to bevel gears, rear | |
| M8 x 30, Replace screws | tighten in diagonally opposite sequence |
| | Tightening torque, 10 Nm |
| | Additional angle of rotation, 45° |
| 33 75 - Housing for bevel gears, rear | |
| Oil drain plug in bevel gears | |
| M12 x 1 | 20 Nm |
| Oil filler plug to bevel gears | |
| M12 x 1.5 | 20 Nm |
| 34 - Brakes | Value |
| 34 11 - Front brake | |
| Brake disc to front wheel | |
| 2.33 33 30 110110 1111001 | |

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| Tightening torques R 1250 GS | |
| | tighten by stages in diagonally opposite |
| M8 x 27, Replace screw | sequence |
| Thread-locking compound (Micro-encapsulated) | 19 Nm |
| Brake caliper on telescopic fork | |
| M10 x 65 | 38 Nm |
| Sensor ring to front wheel | |
| M5 x 10 | 5 Nm |
| Bleed screw in front brake caliper | |
| M8 | 10 Nm |
| Grub screw (brake pads) in brake caliper | 6 Nm |
| 34 21 - Rear brake | |
| Brake caliper to bevel gears | |
| M8 x 25 | 24 Nm |
| Sensor ring to rear wheel | |
| M5 x 10 | 5 Nm |
| Bleed screw in rear brake caliper | 14 Nm |
| Brake disc to wheel flange | |
| | tighten by stages in diagonally opposite |
| M8 x 15.5, Replace screw | sequence |
| Thread-locking compound (Micro-encapsulated) | Tightening torque, 12 Nm |
| | Additional torque, 30 Nm |
| 34 31 - Brake master cylinder | |
| Locknut to piston rod (footbrake cylinder) | |
| M8 | 17 Nm |
| Footbrake cylinder with heel deflector to frame | |
| M6 x 20 | 8 Nm |
| Brake-fluid reservoir to frame | |
| M6 x 16 | 8 Nm |
| 34 32 - Brake lines | |
| Brake hose cover to strut | |
| M5 x 12 | 5 Nm |
| Brake hose with banjo bolt to components | |
| M10 x 1 | 24 Nm |
| Brake line to fork bridge | |
| M6 x 16 | 8 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| 34 51 - Mechanical, hydraulic components | |
| ABS pressure modulator on retainer | |
| M6 x 14.5 | 8 Nm |
| 35 - Foot operation | Value |
| 35 21 - Footbrake lever with connecting linkage | |
| Footbrake lever to frame | |
| M8 x 25 | 19 Nm |
| Cable holder for wheel-speed sensor to telescopic forks | (15)((1)) |
| M5 x 10 | 5 Nm |
| Wheel-speed sensor to telescopic forks/bevel gears | <u> </u> |
| M6 x 16 | 8 Nm |
| 36 31 - Wheels with bearings | J |
| Quick-release axle in telescopic forks | |
| Quick release axie in telescopic forks | |

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| Tightening torques R 1250 GS | |
| M12 x 20 | 30 Nm |
| Rear wheel to wheel flange | 30 14111 |
| M10 x 1.25 x 40 | tighten in diagonally opposite sequence |
| W10 x 1.23 x 40 | 60 Nm |
| Metal valve in rim | BO IVIII |
| Thread 1/8 inch | 12 Nm |
| · | 12 NIII |
| Thread-locking compound (Loctite 243, Medium strength) | |
| Nipple on spoke | det tielsterie et ausse de Nor |
| M4 | 1st tightening torque, 1 Nm |
| The said last the same and for each articles | 2nd tightening torque, 4 Nm |
| Thread locking compound for spoke nipples | |
| Grubscrew, M4 | 2 Nm |
| RDC sensor to wheel rim | |
| M8 x 25, use thread-locking compound for repair | 9 Nm |
| Thread-locking compound (Loctite 243, Medium strength) | |
| 46 - Frame and mounted components | Value |
| 46 51 - Motorcycle frame | |
| Rear frame to main frame | |
| Top, M10 x 30 | 56 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 2701, High strength) | |
| Main frame to engine | |
| top front, M12 x 255 - 10.9 | 100 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| bottom rear, M10 x 45 | 55 Nm |
| bottom front, M10 x 45 | 55 Nm |
| top rear, M12 x 210 | 100 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| 46 53 - Side stand | |
| Side stand to pivot mount | |
| M10 x 1, Use thread-locking compound | 35 Nm |
| Thread-locking compound (Loctite 2701, High strength) | |
| Threaded pin (side-stand spring) in frame | |
| M10 x 1.5 | 38 Nm |
| 46 54 - Luggage system | |
| Luggage rack base to luggage rack | |
| M6 x 20 | 5 Nm |
| Luggage carrier to rear frame | |
| M8 x 20 | 19 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| M8 x 40 | 19 Nm |
| Thread-locking compound (Micro-encapsulated) | 25 14111 |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Luggage carrier to rear frame | |
| M8 | 19 Nm |
| Thread-locking compound (Loctite 243, Medium strength) | 12 MIII |
| 46 61 - Front-wheel cover | |
| 40 01 - FIOIIC-WIIEEI COVEI | |

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| Tightening torques R 1250 GS | · |
| Front-wheel cover, top, to fairing bracket | |
| M5 x 14.5 | 2 Nm |
| Front-wheel cover to telescopic forks/fork bridge | Z IVIII |
| M5 x 14.5 | 2 Nm |
| | Z INITI |
| 46 62 - Rear-wheel cover, number-plate carrier | |
| Number-plate carrier to rear frame M6 x 17.5 | O Nov. |
| X 17.15 | 8 Nm |
| Rear-wheel cover to rear frame | |
| M6 x 17.5 | 8 Nm |
| Spray guard to bevel gears | |
| M6 x 20 | 8 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Tail section to rear frame | |
| Front, M8 x 40 | 19 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Rear, M8 x 25 | 19 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| 46 63 - Motorcycle fairing, windscreen | |
| Bracket to windscreen and covers | |
| M5 x 14.5 | 2 Nm |
| Front panel carrier, left/right to frame | |
| M8 x 30 | 19 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Trim panels | |
| M5 | 2 Nm |
| Windscreen to windscreen holder | 2 (1) |
| M5 x 10 | 4 Nm |
| | 4 11111 |
| Front panel carrier, centre, to frame | 12 Nm |
| M6 x 50 | 12 NIII |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Front panel carrier, left/right to front panel carrier, centre | 201 |
| Front, M6 x 16, Replace screw | 8 Nm |
| Rear, M6 x 30, Replace screw | 8 Nm |
| Cover for fuel tank, centre, to frame | |
| M6 x 25 | 8 Nm |
| 46 71 - Engine fasteners, footrests | |
| Footrest plate (rear) to rear frame | |
| M8 x 30 - 10.9 | 38 Nm |
| Thread-locking compound (Micro-encapsulated) | |
| or, Thread-locking compound (Loctite 243, Medium strength) | |
| Cap to rear footrest plate | |
| M4 x 12 | 1.5 Nm |
| Left heel deflector to frame | |
| M6 x 12 | 8 Nm |
| 51 - Trim panels | Value |
| P. C. | |

| Shifthead R1250 SC GS/GSA | |
|---|-----------|
| Tightening torques R 1250 GS | |
| 51 16 - Mirrors, covers, ashtrays, stowage compartments | |
| Mirror (lock nut) 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) | |
| 52 - Seats and seat bench | Value |
| 52 53 - Seat | |
| Latch, rear seat, to rear carrier | |
| Screw for plastic, 4 x 10 | 1 Nm |
| Seat adjuster to frame | 21111 |
| M6 x 14.5 | 4 Nm |
| 61 - General vehicle electrics | Value |
| 61 13 - Plug, terminal | Value |
| Wiring harness (ground) to cylinder head | |
| M6 x 10 | 8 Nm |
| Battery-positive connection point to battery carrier | 8 INIII |
| M6 x 14 | 2 Nm |
| 61 21 - Battery with holder | Z NIII |
| · | |
| Wiring harness to battery M6 x 10 | 5 Nm |
| 61 31 - Switch, sensor | 3 Mill |
| Multifunction switch to grip unit | |
| Screw for plastic, 2.5 x 15 | 0.4 Nm |
| Cover to multifunction switch | 0.4 NIII |
| Screw for plastic, 2.5 x 15 | 0.4 Nm |
| Throttle twistgrip/handlebar grip, left, to handlebar | 0.4 14111 |
| M3.5 x 30 | 1.5 Nm |
| Clutch switch to handlebar fitting | 1.5 14111 |
| Screw for plastic, 2.2 x 22 | 0.4 Nm |
| 61 33 - Horn | 0.4 14111 |
| Horn to front panel carrier | |
| M8 x 18 | 19 Nm |
| 61 34 - On-board sockets, cigarette lighter | 15 (4)1 |
| On-board socket to front panel carrier | |
| M18 x 1 | 3 Nm |
| 61 36 - Relay | 5 Hill |
| Wiring harness to starter relay | |
| M6, Replace nut | 6 Nm |
| Thread-locking compound (mechanical) | |
| 63 - Lights | Value |
| 63 12 - Headlight | value |
| | |
| Headlight to front panel carrier | E Nm |
| M6 x 20 | 5 Nm |
| 63 13 - Flashing turn indicators, front | |
| Flashing turn indicator to front panel carrier | 4 Nee |
| M6 x 16 | 4 Nm |

| Tightening torques R 1250 GS 63 23 - Flashing turn indicator, evan relability turn indicator, to number-plate carrier M6 x 20 3 Nm 65 - Audio, navigation, information systems Ueff retainer to front panel carrier M6 x 18 8 Nm K6 x 18 8 Nm K6 x 18 8 Nm K6 x 18 8 Nm K7 - Optional accessories, motorcycle Value 77 - It shaust system Soports silencer to rear frame M8 x 35 19 10 Nm Heat shield to exhaust manifold Clamp Sorew, M5 x 12 30 Nm Sorew silencer to exhaust manifold N8 x 35 10 Nm T7 - 1 - Engine guard, crash bars Crash bar to engine M8 x 35 10 Nm M8 x 36 Nm M8 x 36 Nm M8 x 37 Nm M8 x 37 Nm M8 x 38 Nm M8 x 39 Nm M8 x 30 Nm M8 x 10 Nm M8 x 20 Nm M8 x 2 | Shifthead R1250 SC GS/GSA Tightening torques R 1250 GS | | |
|--|--|----------|--|
| Flashing turn indicator to number-plate carrier M6 x 20 3 Nm 55 - Audio, navigation, information systems 65 - Audio, navigation, information systems 65 - Audio, navigation systems Left retainer to front panel carrier M6 x 18 8 Nm 8 Nm 77 - Optional accessories, motorcycle 77 11 - Exhaust system Sopris silencer to rear frame M8 x 35 19 Nm Heat shield to exhaust manifold Clamp Screw, M5 x 12 Sports silencer to exhaust manifold Clamp Sorts, M5 x 12 Sports silencer to exhaust manifold 10 Nm 77 14 - Engine guard, crash bars Crash bar to engine M8 x 35 19 Nm Pipe clamp with retaining plate to frame tube M6 x 16 M7 x 14 - Engine guard to retaining plate to frame tube M6 x 16 M6 x 16 M6 x 16 M7 x 14 - Engine guard to pretaining plate M6 x 16 M8 x 10 M8 x 20 M8 x 30 M9 x 10 M8 x 20 M9 x 20 M9 x 30 M9 x 40 M8 x 40 M9 x 40 M9 x 40 M8 x 40 M8 x 40 M9 x 40 | | | |
| M6 x 20 | 63 23 - Flashing turn indicators, rear | | |
| 65 90 - Audigation, information systems 65 90 - Navigation systems 16 1 | Flashing turn indicator to number-plate carrier | | |
| Left retainer to front panel carrier M6 x 18 Right retainer to front panel carrier M6 x 16 77 - Optional accessories, motorcycle 78 - Optional accessories, motorcycle 79 - Optional accessories, motorcycle 70 - Optional accessories, motorcycle 71 - Optional accessories, motorcycle 71 - Optional accessories, motorcycle 71 - Optional accessories, motorcycle 72 - Optional accessories, motorcycle 73 - Optional accessories, motorcycle 74 - Optional accessories, motorcycle 75 - Optional accessories, motorcycle 77 - Optional accessories, motorcycle 7 | M6 x 20 | 3 Nm | |
| Left retainer to front panel carrier Left retainer to front panel carrier M6 x 18 Right retainer to front panel carrier M7 - Optional accessories, motorcycle 77 - Optional accessories, motorcycle 77 - Optional accessories, motorcycle Walue 77 - Leshaust system Sports silencer to rear frame M8 x 35 19 Nm Screw, M5 x 12 3 Nm Sports silencer to exhaust manifold 10 Nm 77 14 - Engine guard, crash bars Crash bar to engine M6 x 16 B Nm Enduro engine guard to retaining plate to frame tube M6 x 16 B Nm Enduro engine guard to bracket M6 x 16 B Nm M8 x 30 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | 65 - Audio, navigation, information systems | Value | |
| Left retainer to front panel carrier M6 x 18 M6 x 16 S Nm 77 - Optional accessories, motorcycle 77 10 Exhaust system Sports silencer to rear frame M8 x 35 Heat shield to exhaust manifold Clamp Sports silencer to exhaust manifold Clamp Sports silencer to exhaust manifold Clamp Sports silencer to exhaust manifold 10 Nm 77 14 - Exhaust system Sports silencer to exhaust manifold Clamp Sterew, M5 x 12 Sports silencer to exhaust manifold 10 Nm 77 14 - Engine guard, crash bars Crash bar to engine M8 x 35 Pipe clamp with retaining plate to frame tube M6 x 16 S Nm Short sport of the state o | • | | |
| M6 x 18 Right retainer to front panel carrier M6 x 16 S Nm 77 - Optional accessories, motorcycle 77 11 - Exhaust system Sports silencer to rear frame M8 x 35 Heat shield to exhaust manifold Clamp Sorrew, M5 x 12 S Nm Sopres, Silencer to exhaust manifold 10 Nm 77 14 - Engine guard, crash bars Crash bar to engine M6 x 35 S Nm Sopres, Silencer to exhaust manifold 10 Nm 77 14 - Engine guard, crash bars Crash bar to engine M6 x 35 S Nm Sopres, Silencer to exhaust manifold S Nm | | | |
| M6 x 16 77 - Optional accessories, motorcycle 77 11 - Exhaust system Sports silencer to rear frame M8 x 35 | · | 8 Nm | |
| 77 - Optional accessories, motorcycle 77 11 - Exhaust system Sports silencer to rear frame M8 x 35 Heat shield to exhaust manifold Screw, M5 x 12 Sports silencer to exhaust manifold Sports silencer to exhaust | Right retainer to front panel carrier | | |
| 77 11 - Exhaust system Sports silencer to rear frame M8 x 35 Heat shield to exhaust manifold Clamp Sorew, M5 x 12 3 Nm Sports silencer to exhaust manifold 10 Nm 77 14 - Engine guard, crash bars Crash bar to engine M8 x 35 19 Nm Pipe clamp with retaining plate to frame tube M6 x 16 Enduro engine guard to retaining plate M6 x 16 Enduro engine guard to retaining plate M6 x 16 Enduro engine guard to bracket M6 x 25 Spacers (engine protection bar) to frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) Or, Thread-locking compound (Micro-encapsulated) 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 20 Thread-locking compound (Micro-encapsulated) or, Threa | M6 x 16 | 8 Nm | |
| Sports silencer to rear frame M8 x 35 19 Nm Least shield to exhaust manifold Clamp 3 Nm Screw, M5 x 12 3 Nm Sports silencer to exhaust manifold 10 Nm 77 14 - Engine guard, crash bars Crash bar to engine M8 x 35 Pipe clamp with retaining plate to frame tube M6 x 16 8 Nm Enduro engine guard to retaining plate M6 x 16 8 Nm Enduro engine guard to bracket M6 x 16 Enduro engine guard to bracket M6 x 15 Spacers (engine protection bar) to frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-e | 77 - Optional accessories, motorcycle | Value | |
| M8 x 35 Heat shield to exhaust manifold Clamp 3 Nm Screw, M5 x 12 3 Nm Sports sliencer to exhaust manifold 10 Nm 77 14 - Enging guard, crash bars Crash bar to engine M8 x 35 Pipe clamp with retaining plate to frame tube M6 x 16 B Nm Pipe clamp with retaining plate to frame tube M6 x 16 B Nm Enduro engine guard to retaining plate M6 x 16 B Nm Enduro engine guard to bracket M6 x 25 Savers (engine protection bar) to frame M8 x 20 Thread-locking compound (Micro-encapsulated) Or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 To see the | 77 11 - Exhaust system | | |
| Heat shield to exhaust manifold Clamp 3 Nm Screw, M5 x 12 3 Nm Sports silencer to exhaust manifold 10 Nm 7714-Engine guard, crash bars Crash bar to engine M8 x 35 Pipe clamp with retaining plate to frame tube M6 x 16 Enduro engine guard to retaining plate M6 x 16 Enduro engine guard to bracket M6 x 25 Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) Or, Thread-locking compound (Micro-encapsulated) M8 x 25 Thread-locking compound (Loctite 243, Medium strength) M8 x 25 Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm Thread-locking compound (Micro-encapsulated) Or, Thread-locking compound (Micro-encapsulated) Or or, Thread-locking compound (Micro-encapsulated) | Sports silencer to rear frame | | |
| Clamp | M8 x 35 | 19 Nm | |
| Screw, M5 x 12 Sports silencer to exhaust manifold 77 14 - Engine guard, crash bars Crash bar to engine M8 x 35 Pipe clamp with retaining plate to frame tube M6 x 16 Enduro engine guard to retaining plate M6 x 16 Enduro engine guard to bracket M6 x 16 Enduro engine guard to bracket M6 x 25 Spacers (engine protection bar) to frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsula | Heat shield to exhaust manifold | | |
| Sports silencer to exhaust manifold 10 Nm 77.14 - Engine guard, crash bars Crash bar to engine | Clamp | 3 Nm | |
| 77 14 - Engine guard, crash bars Crash bar to engine M8 x 35 M9 x 36 M6 x 16 M9 x 17 M9 x 18 M | Screw, M5 x 12 | 3 Nm | |
| Crash bar to engine M8 x 35 19 Nm Pipe clamp with retaining plate to frame tube M6 x 16 Enduro engine guard to retaining plate M6 x 16 8 Nm Enduro engine guard to bracket M6 x 25 8 Nm Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | Sports silencer to exhaust manifold | 10 Nm | |
| M8 x 35 Pipe clamp with retaining plate to frame tube M6 x 16 Enduro engine guard to retaining plate M6 x 16 Enduro engine guard to bracket M6 x 16 Enduro engine guard to bracket M6 x 25 Spacers (engine protection bar) to frame M8 x 20 19 Nm Pread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar with frame to engine Rear bottom, M10 x 45 M8 x 25 So Nm M8 x 20 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 Mount to carrier M8 x 25 Mount to carrier M8 x 25 Mount to carrier M8 x 25 So Nm M7 x 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Mount to carrier M8 x 25 Mount to carrier M8 x 26 M9 x 20 M9 M9 M8 x 26 M9 M9 M9 x 30 M9 M9 M9 x 40 M9 | <u> </u> | | |
| Pipe clamp with retaining plate to frame tube M6 x 16 8 Nm Enduro engine guard to retaining plate M6 x 16 8 Nm Enduro engine guard to bracket 8 Nm Enduro engine guard to bracket M6 x 25 8 Nm Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 20 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | Crash bar to engine | | |
| M6 x 16 Enduro engine guard to retaining plate M6 x 16 Enduro engine guard to bracket M6 x 25 Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Toash bar to frame, top M8 x 30 19 Nm Toash bar with frame to engine Rear bottom, M10 x 45 Toas | | 19 Nm | |
| Enduro engine guard to retaining plate M6 x 16 8 Nm Enduro engine guard to bracket M6 x 25 8 Nm Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | | | |
| M6 x 16 Enduro engine guard to bracket M6 x 25 Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 T7 25 - Frame, footrests, mounted parts M0 x 15 M0 x 15 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm T7 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 8 Nm | |
| Enduro engine guard to bracket M6 x 25 Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 55 Nm 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | | | |
| M6 x 25 Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | | 8 Nm | |
| Spacers (engine protection bar) to frame M8 x 20 19 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | | |
| M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 20 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | | 8 Nm | |
| Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 78 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | | | |
| or, Thread-locking compound (Loctite 243, Medium strength) Crash bar to frame, top M8 x 30 Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 Cover for hole for grab handle to rear frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Cover for hole for grab compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 19 Nm | |
| Crash bar to frame, top M8 x 30 19 Nm Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Consider to frame to encapsulated) or, Thread-locking compound (Micro-encapsulated) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | | | |
| M8 x 30 Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Con Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | | |
| Crash bar with frame to engine Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 10 Nm | |
| Rear bottom, M10 x 45 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 19 MIII | |
| 77 25 - Frame, footrests, mounted parts Mount to carrier M8 x 25 20 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | _ | EE Nm | |
| Mount to carrier M8 x 25 Z0 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 Z0 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | · | 33 14111 | |
| M8 x 25 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | - | | |
| Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) | | 20 Nm | |
| or, Thread-locking compound (Loctite 243, Medium strength) Clamping block to footrest M8 x 20 20 Nm 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Thread-locking compound (Loctite 243, Medium strength) Thread-locking compound (Loctite 243, Medium strength) | | 20 11111 | |
| Clamping block to footrest M8 x 20 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | | |
| M8 x 20 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) Thread-locking compound (Loctite 243, Medium strength) or, Thread-locking compound (Loctite 243, Medium strength) | | | |
| 77 30 - Mounted parts, trim panels Cover for hole for grab handle to rear frame M8 x 20 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 20 Nm | |
| Cover for hole for grab handle to rear frame M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 2011111 | |
| M8 x 20 3 Nm Thread-locking compound (Micro-encapsulated) 5 Or, Thread-locking compound (Loctite 243, Medium strength) 5 Nm M8 x 40 3 Nm Thread-locking compound (Micro-encapsulated) 5 Or, Thread-locking compound (Loctite 243, Medium strength) 6 Nm Thread-locking compound (Loctite 243, Medium strength) 7 Nm | | | |
| Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 3 Nm | |
| or, Thread-locking compound (Loctite 243, Medium strength) M8 x 40 Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | - | |
| M8 x 40 3 Nm Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | | |
| Thread-locking compound (Micro-encapsulated) or, Thread-locking compound (Loctite 243, Medium strength) | | 3 Nm | |
| or, Thread-locking compound (Loctite 243, Medium strength) | Thread-locking compound (Micro-encapsulated) | | |
| | | | |
| | 77 42 - Mounted parts, cases | | |

| Shifthead R1250 SC GS/GSA Tightening torques R 1250 GS | | |
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| | | |
| M4 x 12 | 1.5 Nm | |
| 77 44 - Mounted parts, topcase, luggage carrier | | |
| Topcase rack with grab handle to rear frame | | |
| M8 x 35 | 19 Nm | |
| Thread-locking compound (Loctite 243, Medium strength) | | |
| M8 x 40 | 19 Nm | |
| Thread-locking compound (Loctite 243, Medium strength) | | |
| Cover to carrier plate | | |
| M5 x 14.5 | 2 Nm | |
| Topcase rack to grab handle | | |
| M6 x 20 | 5 Nm | |
| Carrier plate to rear frame | | |
| M8 x 35 | 19 Nm | |
| M8 x 50 | 19 Nm | |
| 77 45 - Tank rucksack | | |
| Front attachment for tank rucksack to frame | | |
| M6 x 28 | 8 Nm | |
| 77 51 - Lights | | |
| LED auxiliary headlight to bracket | | |
| M6 x 40 | 6 Nm | |
| Bracket, LED auxiliary headlight to front panel carrier | | |
| M6 x 30 | 8 Nm | |
| Thread-locking compound (mechanical) | | |
| or, Thread-locking compound (Loctite 243, Medium strength) | | |
| Bracket to cockpit fairing | | |
| M5 x 17.5 | 2 Nm | |
| Headlight guard to attachment | | |
| M6 x 10 | 5 Nm | |
| 77 53 - Switches, small items, control unit | | |
| Additional switch to clamping block | | |
| M5 x 14 | 3 Nm | |