

Triumph Tiger 800

Torque settings

Cylinder Head

	Torque (Nm)
Camshaft cover to cylinder head	10
Camshaft drive chain tensioner to head	9
Camshaft bearing ladder to head	*See service manual
Camshaft sprocket to camshaft	10
Camshaft drive chain rubbing blade to crankcase	9
Camshaft drive chain top pad to cylinder head	*See service manual
Cylinder head to crankcase (M6 screws)	10
Cylinder head to crankcase bolts	*See service manual
Camshaft cap and ladder to head	*See service manual
Cylinder head dry seal plug	22
Sound suppression bolt in head	12
Spark plugs	12
Cylinder head exhaust stud	10

Clutch

	Torque (Nm)
Clutch cover to crankcase (28 mm bolts)	9
Clutch cover to crankcase (35 mm bolts)	10
Clutch centre nut	98
Clutch pressure plate to centre drum	10
Clutch lever clamp bolts	12
Clutch lever nut	3.5
Clutch cable adjuster bracket to crankcase	12
Switch cube screws (left)	3
Clutch cover protector	6

Crankshaft, Crankcase and Sprag

	Torque (Nm)
Crankcase upper to lower (M8 fixings)	*See service manual
Crankcase upper to lower (M6 fixings)	*See service manual
Crankcase dry seal plug	22
Breather cover to crankcase	9
Connecting rod big end nut	*See service manual
Camshaft drive sprocket gear to crankshaft	27
Sprag clutch to alternator rotor	*See service manual

Engine Covers

	Torque (Nm)
Clutch cover to crankcase	9
Sprocket cover to crankcase	9
Alternator cover (25 mm bolts) to crankcase	8
Alternator cover (35 mm bolts) to crankcase	9
Wire retainer on alternator cover	6
Crank cover (25 mm bolts) to crankcase	8
Crank cover (35 mm bolts) to crankcase	9
Balancer cover to crankcase	8

Transmission

	Torque (Nm)
Output sprocket to output shaft	85
Detent wheel to selector drum	12
Detent arm bolt	12
Input shaft bearing carrier/retainer	12
Selector shaft retainer	12
Spring abutment bolt	20
Gear position sensor	5
Gear selector arm pinch bolt	9
Gear pedal pivot bolt	22
Gear change rod adjuster nuts	6
Sprag housing to rotor	16

Lubrication System

	Torque (Nm)
Sump to crankcase	12
Sump drain plug to sump	25
Oil pressure relief valve to crankcase	15
Low oil pressure warning light switch to crankcase	13
Oil filter to adapter	10
Heat exchanger to crankcase	59
Oil pump drive chain retainer plate	9
Oil pump to crankcase	12
Oil pump drive sprocket to pump shaft	12
Oil pump rotor cover to pump body bolts	12
Oil pump pick up pipe	12
Oil transfer pipe	12
Water pump cover to oil pump body bolts	12
Transmission oil feed pipes to crankcase	8
Breather drain tube	9

Final Drive

	Torque (Nm)
Rear sprocket to cush drive	55
Chain guard bolts	9
Chain rubbing strip to swinging arm	9

Cooling System

	Torque (Nm)
Radiator to frame	6
Coolant bypass to head	15
Thermostat housing to head	9
Water elbow to crankcase (left hand)	9
Water elbow to crankcase (right hand and upper fixing only)	12
Fan shroud to radiator	2.5
Water temperature sensor	18
Radiator lower bracket to radiator	6
Radiator lower bracket to water outlet bracket	6
Expansion tank to frame	3
Expansion tank cover to frame	3
Radiator bleed screw	1.5
Top hose bleed screw	1
Water pump outlet pipe	12
Water pump inlet pipe	12
Coolant hose clips	2

Fuel System, Exhaust System and Airbox

	Torque (Nm)
Fuel tank to frame (rear fixing)	12
Fuel cap to fuel tank	4
Fuel pump mounting plate to fuel tank	9
Throttle body transition piece to cylinder head	12
Throttle body adaptor clip	1.5
Fuel rail to throttle body	3.5
Throttle position sensor	2
Idle speed control stepper motor	3.5
Throttle cable bracket to throttle body	3.5
Throttle cable guide screws	3
Exhaust downpipe to cylinder head	*See service manual
Exhaust downpipe to frame	19
Silencer heat shield	5
Silencer to frame	15
Silencer rear finisher	5
Silencer front finisher	5
Silencer clamp to intermediate pipe	10
Oxygen sensor	25
Catalytic converter heat shield	5
Air filter cover to housing	1.5

Airbox to breather housing	9
Air filter to housing	1
Air intake trumpet to airbox	6
Air temperature sensor	1.5
Manifold air pressure (MAP) sensor	1.5
Barometric pressure sensor	1.5
Fall detection switch	3
Crankshaft sensor	4
Road speed sensor	9
Evaporative canister to bracket	8
Evaporative bracket to frame	9

Rear Suspension

	Torque (Nm)
Swinging arm spindle nut	110
Chain rubbing strip to swinging arm	9
Rear suspension unit upper mounting bolt	48
Rear suspension unit lower mounting bolt to drop link	80
Rear suspension reservoir	3
Drag link pivot at frame	80
Drop links to swinging arm	80
Chain guard (upper and lower)	9

Front Suspension

	Torque (Nm)
Upper yoke pinch bolt	20
Lower yoke pinch bolt	20
Upper yoke centre nut	90
Fork top cap	35
Damping cylinder bolt	20
Damping rod to top cap	20
Handlebar clamp riser to top yoke (10 mm bolt)	35
Handlebar upper clamp to lower clamp (8 mm bolt)	26
Handlebar end weights	5
Switch cube screws	3
Mirror	25

Wheels

	Torque (Nm)
Front wheel spindle/axle bolt	65
Front wheel spindle pinch bolts	22
Rear wheel spindle	110
Chain adjuster locknut	15
Rear sprocket to cush drive	55

Front Brakes

	Torque (Nm)
Front brake caliper to fork	28
Front brake pad retaining pin	18
Front brake pad retaining pin plug	3
Front brake caliper bleed screw	6
Front brake hose to caliper	25
Front brake master cylinder to handlebar	12
Front brake hose to master cylinder	25
Front brake disc to wheel	22
Brake lever pivot bolt	1
Brake lever pivot bolt locknut	6
Master cylinder brake hose clamp to fork leg	6
Brake hose wire guide	7

Rear Brakes

	Torque (Nm)
Rear brake caliper to carrier	22
Rear brake caliper sliding bolt	27
Rear brake pad retaining pin	18
Rear brake pad retaining pin plug	3
Rear brake caliper bleed screw	6
Rear brake hose to caliper	25
Rear brake master cylinder to frame	16
Rear brake master cylinder reservoir to mounting	7
Rear brake master cylinder pushrod locknut	18
Rear brake light switch	15
Brake pedal pivot bolt	22
Brake hose P-clip bolt	6
Rear brake disc to wheel	22

ABS System

	Torque (Nm)
ABS module to bracket	9
ABS bracket to frame	9
ABS pulser ring to brake disc	5
ABS sensor to bracket	9
ABS lines to modulator	25
ABS hard line to front brake hose	17

Frame, Footrests, Control Plates and Engine Mountings

	Torque (Nm)
Lower crankcase to frame	48
Cylinder head to frame	48
Heel guard to frame	12
Side stand mounting bracket	45
Side stand pivot bolt	20
Side stand pivot bolt	45
Side stand switch	7
Seat lock to frame	5
Front subframe	15
Lower rear engine mounting frame adjuster	3

Electrical

	Torque (Nm)
Alternator rotor to crankshaft	120
Alternator stator to cover	12
Alternator regulator to bracket	9
Starter motor to crankcase	10
Starter motor power lead connection	3
Starter motor solenoid lead connection	5
Spark plug to cylinder head	12
Horn	18
Immobiliser ECU	9
Ignition switch	12
Instrument assembly	2
Headlight	3.5
Headlight bezel	3
Rear light	4
Front and rear indicator	3
Negative battery lead to upper crankcase	9

Bodywork

	Torque (Nm)
Mudguard extension bracket	9
Front mudguard to forks - Tiger 800	6
Front mudguard to forks - lower - Tiger 800XC	6
Front mudguard to forks - upper - Tiger 800XC	6
Handguard bracket to lever pivot bolt	1
Handguard to bracket	9
Handguard to handlebar spacer	6
Sumpguard nuts	10
Sumpguard rubber to sump	3
Sumpguard Bracket	15
Sumpguard front bolts	15
Screen fixings to brackets	3
Screen bracket (pressed, at side)	5
Screen bracket (cast, at front)	5
Centre panel (Tiger 800) or Beak support moulding (Tiger 800XC) to subframe (nut and screw)	5
Beak to beak support moulding	3
Beak support moulding to subframe	5
Cockpit infill panels to cockpit moulding	3
Ignition switch cover	5
Fuel tank panel, front	5
Lower radiator panel	3
Upper radiator panel	5
Radiator infill panel lower fixing	6
Radiator infill panel upper fixing	3
Battery tray	6
Rear mudguard upper fixing	3
Rear mudguard lower fixing	5
Rear mudguard splash cover	3
Rear panel M6 bolts	5
Rear panel M8 bolts	20
Grab rail to subframe bolts	20
Rear rack	3
Front seat bridge	5
Fuel tank infill	3
Rear seat bracket lower fixing	5
Rear seat bracket upper fixing	5

* Certain fasteners require complex tightening sequences. Refer to the service manual for detailed instructions.