

Features & Specifications

2016 GSX-S750



GSX-S750L6

AJX: Pearl Glacier White

Introduction

- The GSX-S750 provides a striking combination of unique styling and proven performance. One look at its chiseled headlight, fuel tank and tail section and you know this is a bike like no other. Its 750cc fuel-injected in-line four-cylinder engine has been engineered to produce strong low-end torque and mid-range power for exceptional acceleration, while its inverted fork and combination cradle-tube & twin-spar frame rewards you with precise handling.

Key Features

- 749cc, 4-cylinder, fuel-injected engine
- 310mm discs with dual-piston and 240mm disc single-piston
- Inverted KYB front fork 7-way adjustable rear shock absorber

Engine Features

- Powerful 749cc 4-cylinder fuel-injected engine is tuned to deliver a dynamic wave of smooth torque and strong acceleration.
- Throttle bodies with Suzuki Dual Throttle Valve (SDTV) system contribute to better throttle response and torque at the low-to-mid RPM range, while still producing peak performance.
- Automatic Idle Speed Control (ISC) improves cold starting and stabilizes the engine idle.
- Suzuki Exhaust Tuning (SET) servo-controlled butterfly valve helps enhance torque, response and acceleration, especially at low-to-mid rpm range.
- State-of-the-art transistorized digital ignition system contributes to a more complete combustion by igniting the mixture at the precise instant.
- Iridium type spark plugs provide a more condensed and hotter spark yet last longer than convention plugs.
- Effective engine management, emission control systems, and Suzuki Pulsed-secondary AIR-injection (PAIR) system that injects fresh air into the exhaust ports, allow the GSX-S750 to meet the latest emission standards.

Chassis Features

- Frame design combines the advantages of a compact tubular-style street bike frame and a twin-spar sportbike frame to deliver a dynamic ride. A reasonable sport riding position is created by a carefully crafted relationship between the handlebars, footrests and seat.
- Dual front brakes with fully-floating 310mm discs and dual-piston calipers and a 240mm rear disc brake with single-piston caliper helps make sure you can have controlled stops.
- Inverted KYB forks feature a design developed in racing and are essential for a serious, high-performance machine.
- Link-type rear suspension, with a single shock absorber working through a progressive linkage, has 7-way adjustable spring preload.
- Carefully sculpted aggressive front bodywork and side panels make a brash statement about the bike's ability. Further cues to its performance potential are in the vented front fender, molded mirrors, chiseled fuel tank, and textured tank side panels.
- Distinctively shaped headlight nacelle contains a bright 60/55W halogen bulb and integrated dual position lights. The angular tail section houses an integrated LED taillight.
- A compartment underneath the removable passenger seat can be used to store small items.
- Brightness-controllable instrument cluster, featuring a prominent analog tachometer and a large, digital LCD speedometer readout.
- The LCD display also includes a gear-position indicator, coolant temperature gauge, fuel gauge, selectable odometer/dual-tripmeter/fuel consumption meter and a clock.



Additional Features

- A variety of Genuine Suzuki Accessories for GSX-S owners are available including a large selection of Suzuki logo apparel.
- 12-month limited warranty
- For more details, please visit www.suzukicycles.com.

Specifications GSX-S750L6

E-03: USA, E-33: California (2016 GSX-S750 is not available in California)

DIMENSIONS AND CURB MASS

Overall length	2 115 mm (83.3 in)
Overall width	785 mm (30.9 in)
Overall height	1 060 mm (41.7 in)
Wheelbase	1 450 mm (57.1 in)
Ground clearance	145 mm (5.7 in)
Seat height	815 mm (32.1 in)
Curb mass	210 kg (463 lbs)

ENGINE

Type	4-stroke, liquid-cooled, DOHC
Number of cylinders	4
Bore	72.0 mm (2.835 in)
Stroke	46.0 mm (1.811 in)
Displacement	749 cm ³ (45.7 cu. in)
Compression ratio	12.3 : 1
Fuel system	Fuel injection
Air cleaner	Paper element
Starter system	Electric
Lubrication system	Wet sump
Idle speed	1 200 ± 100 r/min

DRIVE TRAIN

Clutch	Wet multi-plate type
Transmission	6-speed constant mesh
Gearshift pattern	1-down, 5-up
Primary reduction ratio	1.857 (78/42)
Gear ratios, Low	2.785 (39/14)
2nd	2.052 (39/19)
3rd	1.681 (37/22)
4th	1.450 (29/20)
5th	1.304 (30/23)
Top	1.181 (26/22)
Final reduction ratio	2.470 (42/17)
Drive chain	RK 525SMOZ8, 112 links

CHASSIS

Front suspension	Inverted telescopic, coil spring, oil damped
Rear suspension	Link type, coil spring, oil damped
Front fork stroke	120 mm (4.7 in)
Rear wheel travel	135 mm (5.3 in)
Caster	25° 20'
Trail	104 mm (4.1 in)
Steering angle	33° (right & left)
Turning radius	3.0 m (9.8 ft)
Front brake	Disc brake, twin
Rear brake	Disc brake
Front tire size	120/70ZR17M/C (58W), tubeless
Rear tire size	180/55ZR17M/C (73W), tubeless

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ELECTRICAL

Ignition type	Electronic ignition (Transistorized)
Ignition timing	3° B.T.D.C. at 1 200 r/min
Spark plug	NGK CR9EIA-9 or DENSO IU27D
Battery	12 V 36.0 kC (10 Ah)/10HR
Generator	Three-phase A.C. generator
Main fuse	30 A
Fuse	10/10/10/10/10/15 A
Headlight	12 V 60/55 W (H4)
Position light	12 V 5 W × 2
Brake/Tail light	LED
Turn signal light	12 V 21 W
License plate light.....	12 V 5 W
Combination meter light	LED
Neutral indicator light.....	LED
High beam indicator light.....	LED
Turn signal indicator light.....	LED
Oil pressure/Coolant temperature indicator light	LED
FI indicator light	LED

CAPACITIES

Fuel tank.....	17.5 L (4.6/3.8 US/Imp gal)
Engine oil, oil change.....	3 200 ml (3.4/2.8 US/Imp qt)
with filter change	3 600 ml (3.8/3.2 US/Imp qt)
overhaul	3 850 ml (4.1/3.4 US/Imp qt)
Coolant	2.58 L (2.7/2.3 US/Imp qt)

Service Data GSX-S750L6

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Valve + Guide

Unit: mm (in)

Item		Standard	Limit
Valve diam.	IN.	27.2 (1.07)	—
	EX.	22.0 (0.87)	—
Valve clearance (when cold)	IN.	0.10 – 0.20 (0.004 – 0.008)	—
	EX.	0.20 – 0.30 (0.008 – 0.012)	—
Valve guide to valve stem clearance	IN.	0.010 – 0.037 (0.0004 – 0.0014)	—
	EX.	0.030 – 0.057 (0.0011 – 0.0022)	—
Valve guide I.D.	IN. & EX.	3.985 – 4.010 (0.1569 – 0.1578)	—
Valve stem O.D.	IN.	3.975 – 3.990 (0.1565 – 0.1571)	—
	EX.	3.955 – 3.970 (0.1557 – 0.1563)	—
Valve stem deflection	IN. & EX.	—	0.35 (0.014)
Valve stem runout	IN. & EX.	—	0.05 (0.002)
Valve head thickness	IN. & EX.	—	0.5 (0.02)
Valve seat width	IN. & EX.	0.9 – 1.1 (0.035 – 0.043)	—
Valve head radial runout	IN. & EX.	—	0.03 (0.001)
Valve spring free length	IN. & EX.	—	37.0 (1.46)
Valve spring tension	IN. & EX.	127 – 147 N (13.0 – 14.9 kgf, 28.6 – 33.0 lbs) at length 32.85 mm (1.293 in)	—

Camshaft + Cylinder Head

Unit: mm (in)

Item		Standard	Limit
Cam height	IN.	36.32 – 36.36 (1.430 – 1.431)	36.02 (1.418)
	EX.	34.98 – 35.02 (1.377 – 1.379)	34.68 (1.365)
Camshaft journal oil clearance	IN. & EX.	0.025 – 0.066 (0.0010 – 0.0026)	0.150 (0.0059)
Camshaft journal holder I.D.	IN. & EX.	24.012 – 24.025 (0.9454 – 0.9459)	—
Camshaft journal O.D.	IN. & EX.	23.959 – 23.980 (0.9433 – 0.9440)	—
Camshaft runout		—	0.10 (0.004)
Cam chain pin (at arrow "3")		14th pin	—
Cylinder head distortion		—	0.20 (0.008)

Oil Pump

Item		Standard	Limit
Oil pressure (at 60 °C, 140 °F)		100 – 400 kPa (1.0 – 4.0 kgf/cm ² , 14 – 57 psi) at 3 000 r/min	—

Cylinder + Piston + Piston Ring

Unit: mm (in)

Item	Standard		Limit
Compression pressure	1 300 – 1 700 kPa (13 – 17 kgf/cm ² , 185 – 242 psi)		1 000 kPa (10 kgf/cm ² , 142 psi)
Compression pressure difference	—		200 kPa (2 kgf/cm ² , 28 psi)
Piston-to-cylinder clearance	0.030 – 0.040 (0.0012 – 0.0016)		0.120 (0.0047)
Cylinder bore	72.000 – 72.015 (2.8346 – 2.8352)		No nicks or Scratches
Piston diam.	71.965 – 71.980 (2.8333 – 2.8339) Measure 15 mm (0.6 in) from the skirt end.		71.880 (2.8299)
Cylinder distortion	—		0.20 (0.008)
Piston ring free end gap	1st	R	Approx. 8.2 (0.32)
	2nd	2R	Approx. 6.1 (0.2)
Piston ring end gap	1st	R	0.06 – 0.21 (0.002 – 0.008)
	2nd	2R	0.06 – 0.18 (0.002 – 0.007)
Piston ring-to-groove clearance	1st	—	0.180 (0.0071)
	2nd	—	0.150 (0.0059)
Piston ring groove width	1st	1.01 – 1.03 (0.0398 – 0.0406)	—
	2nd	0.81 – 0.83 (0.0319 – 0.0327)	—
	Oil	1.51 – 1.53 (0.0594 – 0.0602)	—
Piston ring thickness	1st	0.97 – 0.99 (0.0382 – 0.0390)	—
	2nd	0.77 – 0.79 (0.0303 – 0.0311)	—
Piston pin bore	16.002 – 16.008 (0.6300 – 0.6302)		16.030 (0.6311)
Piston pin O.D.	15.995 – 16.000 (0.6297 – 0.6299)		15.980 (0.6291)

Conrod + Crankshaft

Unit: mm (in)

Item	Standard		Limit
Conrod small end I.D.	16.010 – 16.018 (0.6303 – 0.6306)		16.040 (0.6315)
Conrod big end side clearance	0.10 – 0.20 (0.004 – 0.008)		0.30 (0.012)
Conrod big end width	19.95 – 20.00 (0.7854 – 0.7874)		—
Crank pin width	20.10 – 20.15 (0.7913 – 0.7933)		—
Conrod big end oil clearance	0.032 – 0.056 (0.0013 – 0.0022)		0.080 (0.0031)
Crank pin O.D.	32.976 – 33.000 (1.2983 – 1.2992)		—
Crankshaft journal oil clearance	0.016 – 0.040 (0.0006 – 0.0016)		0.080 (0.0031)
Crankshaft journal O.D.	31.976 – 32.000 (1.2589 – 1.2598)		—
Crankshaft thrust bearing thickness	Right side	2.425 – 2.450 (0.0955 – 0.0965)	—
	Left side	2.350 – 2.500 (0.0925 – 0.0984)	—
Crankshaft thrust clearance	0.055 – 0.110 (0.0022 – 0.0043)		—
Crankshaft runout	—		0.05 (0.002)

Clutch

Unit: mm (in)

Item	Standard		Limit
Clutch cable play	10 – 15 (0.4 – 0.6)		—
Clutch release screw	1/4 turn back		—
Clutch drive plate thickness	No. 1, 2 & 3	2.92 – 3.08 (0.115 – 0.121)	2.62 (0.103)
Clutch drive plate claw width	No. 1, 2 & 3	13.7 – 13.8 (0.539 – 0.543)	12.9 (0.508)
Clutch driven plate distortion	—		0.10 (0.004)
Clutch spring free length	73.47 (2.893)		69.8 (2.75)

Drive Train

Unit: mm (in) Except ratio

Item		Standard	Limit
Primary reduction ratio		1.857 (78/42)	—
Final reduction ratio		2.470 (42/17)	—
Gear ratios	Low	2.785 (39/14)	—
	2nd	2.052 (39/19)	—
	3rd	1.681 (37/22)	—
	4th	1.450 (29/20)	—
	5th	1.304 (30/23)	—
Top		1.181 (26/22)	—
Gearshift fork to groove clearance		0.1 – 0.3 (0.004 – 0.012)	0.5 (0.02)
Gearshift fork groove width		5.0 – 5.1 (0.197 – 0.201)	—
Gearshift fork thickness		4.8 – 4.9 (0.189 – 0.193)	—
Drive chain	Type	RK 525SMOZ8	—
	Links	112 links	—
	20-pitch length	—	319.4 (12.57)
Drive chain slack (on side-stand)		20 – 30 (0.8 – 1.2)	—
Gearshift lever height		40 – 50 (1.6 – 2.0)	—

Thermostat + Radiator + Fan + Coolant

Item	Standard/Specification		Note
Thermostat valve opening temperature	Approx. 82 °C (180 °F)		—
Thermostat valve lift	Over 8 mm (0.31 in) and at 95 °C (203 °F)		—
ECT sensor resistance	20 °C (68 °F)	Approx. 2.45 kΩ	—
	50 °C (122 °F)	Approx. 0.811 kΩ	—
	80 °C (176 °F)	Approx. 0.318 kΩ	—
	110 °C (230 °F)	Approx. 0.142 kΩ	—
Radiator cap valve opening pressure	93 – 123 kPa (0.9 – 1.2 kgf/cm ² , 13.2 – 17.5 psi)		—
Cooling fan operating temperature	OFF → ON	Approx. 105 °C (221 °F)	Intake air temperature: < 40 °C (104 °F)
	ON → OFF	Approx. 100 °C (212 °F)	
	OFF → ON	Approx. 100 °C (212 °F)	Intake air temperature: ≥ 40 °C (104 °F)
	ON → OFF	Approx. 95 °C (203 °F)	
Engine coolant type	Use an anti-freeze/coolant compatible with aluminum radiator.		—
Engine coolant including reserve	Reserve tank side	Approx. 230 ml (0.3/0.2 US/Imp qt)	—
	Engine side	Approx. 2 580 ml (2.7/2.3 US/Imp qt)	—

Injector + Fuel Pump + Fuel Pressure Regulator

Item	Specification	Note
Injector resistance	11.5 – 12.5 Ω at 20 °C (68 °F)	
Fuel pump discharge amount	167 ml (5.6/5.9 US/Imp oz) and more/10 sec.	
Fuel pressure regulator operating set pressure	Approx. 300 kPa (3.0 kgf/cm ² , 43 psi)	

FI Sensors

Item	Standard/Specification		Note
CMP sensor resistance	0.9 k – 1.7 k Ω		
CMP sensor voltage	0.7 V and more		When cranking
CKP sensor resistance	142 – 194 Ω		
CKP sensor peak voltage	0.5 V and more		When cranking
IAP sensor input voltage	4.5 – 5.5 V		
IAP sensor output voltage	Approx. 2.7 V at idle speed		
TP sensor input voltage	4.5 – 5.5 V		
TP sensor output voltage	Closed	Approx. 1.1 V	
	Opened	Approx. 4.3 V	
ECT sensor input voltage	4.5 – 5.5 V		
ECT sensor output voltage	0.15 – 4.85 V		
ECT sensor resistance	Approx. 2.45 k Ω at 20 °C (68 °F)		
IAT sensor input voltage	4.5 – 5.5 V		
IAT sensor output voltage	0.15 – 4.85 V		
IAT sensor resistance	Approx. 2.58 k Ω at 20 °C (68 °F)		
AP sensor input voltage	4.5 – 5.5 V		
AP sensor output voltage	Approx. 3.6 V at 100 kPa (760 mmHg)		
TO sensor resistance	16.5 k – 22.3 k Ω		
TO sensor voltage	Normal	0.4 – 1.4 V	
	Leaning	3.7 – 4.4 V	When leaning 65°
GP switch voltage	0.6 V and more		From 1st to Top
Injector voltage	Battery voltage		
Ignition coil primary peak voltage	80 V and more		When cranking
HO2 sensor output voltage	0.4 V and less at idle speed		
	0.6 V and more at 5 000 r/min		
HO2 sensor heater resistance	6.7 – 9.5 Ω at 23 °C (73 °F)		
PAIR control solenoid valve resistance	20 – 24 Ω at 20 – 30 °C (68 – 86 °F)		
STP sensor input voltage	4.5 – 5.5 V		
STP sensor output voltage	Closed	Approx. 0.6 V	
	Opened	Approx. 3.9 V	
STVA resistance	Approx. 7.8 Ω		
EXCVA position sensor input voltage	4.5 – 5.5 V		
EXCVA position sensor output voltage	Closed	0.45 – 1.4 V	
	Opened	3.6 – 4.55 V	
EXCVA position sensor resistance	Approx. 3.1 k Ω		At adjustment position
ISC valve resistance	Approx. 20 Ω at 20 °C (68 °F)		

Throttle Body

Item	Specification
Bore size	32 mm (1.26 in)
I.D. No.	08J0
Idle r/min	1 200 ± 100 r/min
Throttle cable play	2.0 – 4.0 mm (0.08 – 0.16 in)

Electrical

Unit: mm (in)

Item	Specification	Note	
Firing order	1 · 2 · 4 · 3		
Spark plug	Type	NGK: CR9EIA-9 DENSO: IU27D	
	Gap	0.8 – 0.9 (0.031 – 0.035)	
Spark performance	Over 8 (0.3) at 1 atm.		
CKP sensor resistance	142 – 194 Ω		
CKP sensor peak voltage	0.5 V and more	When cranking	
Ignition coil resistance	Primary	1.1 – 1.5 Ω at 20 °C (68 °F)	Terminal – Terminal
	Secondary	6.4 – 9.6 kΩ at 20 °C (68 °F)	Plug cap – Terminal
Ignition coil primary peak voltage	80 V and more	When cranking	
Generator coil resistance	0.2 – 0.9 Ω		
Generator maximum output	Approx. 400 W at 5 000 r/min		
Generator no-load voltage (When engine is cold)	65 V (AC) and more at 5 000 r/min		
Regulated voltage	14.0 – 15.0 V at 5 000 r/min		
Starter motor brush length	Standard	12.0 (0.47)	
	Limit	6.5 (0.26)	
Starter relay resistance	3 – 6 Ω		
Battery	Type designation	FT12A-BS	
	Capacity	12 V 36.0 kC (10 Ah)/10 HR	
	Standard electrolyte S.G.	1.320 at 20 °C (68 °F)	
Fuse size	Headlight	HI	10 A
		LO	10 A
	Ignition	10 A	
	Signal	10 A	
	Fuel	10 A	
	Fan	15 A	

Wattage

Unit: W

Item		Specification
Headlight	HI	60
	LO	55
Position light		5 x 2
Brake/Tail light		LED
Turn signal light		21 x 4
License plate light		5
Combination meter light		LED
Turn signal indicator light		LED
High beam indicator light		LED
Neutral position indicator light		LED
Oil pressure indicator light/Engine coolant temp. indicator light		LED
FI indicator light		LED

Brake + Wheel

Unit: mm (in)

Item	Standard		Limit
Rear brake pedal height	45 – 55 (1.8 – 2.2)		—
Brake disc thickness	Front	4.8 – 5.2 (0.19 – 0.20)	4.5 (0.18)
	Rear		
Brake disc runout	—		0.30 (0.012)
Master cylinder bore & piston diam.	Front	Approx. 14.0 (0.55)	—
	Rear	Approx. 14.0 (0.55)	—
Brake caliper cylinder bore & piston diam.	Front	Approx. 27.0 (1.06)	—
	Rear	Approx. 38.2 (1.50)	—
Brake fluid type	DOT 4		—
Wheel rim runout	Axial	—	2.0 (0.08)
	Radial		
Wheel rim size	Front	17 M/C x MT 3.50	—
	Rear	17 M/C x MT 5.50	—
Wheel axle runout	Front	—	0.25 (0.010)
	Rear		

Tire

Item	Standard		Limit
Cold inflation tire pressure (Solo riding)	Front	250 kPa (2.50 kgf/cm ² , 36 psi)	—
	Rear	290 kPa (2.90 kgf/cm ² , 42 psi)	—
Cold inflation tire pressure (Dual riding)	Front	250 kPa (2.50 kgf/cm ² , 36 psi)	—
	Rear	290 kPa (2.90 kgf/cm ² , 42 psi)	—
Tire size	Front	120/70 ZR17M/C (58 W)	—
	Rear	180/55 ZR17M/C (73 W)	—
Tire type	Front	BRIDGESTONE BATTLAX BT016F EE	—
	Rear	BRIDGESTONE BATTLAX BT016R EE	—
Tire tread depth (Recommended depth)	Front	—	1.6 mm (0.06 in)
	Rear	—	2.0 mm (0.08 in)

Suspension

Unit: mm (in)

Item	Standard	Limit
Front fork stroke	120 (4.7)	—
Front fork spring free length	289.6 (11.40)	283 (11.1)
Front fork oil level (Without spring, outer tube fully compressed)	96 (3.8)	—
Front fork oil type	SUZUKI FORK OIL L-01 or an equivalent fork oil	—
Front fork oil capacity (Each leg)	520 ml (17.6/18.3 US/Imp oz)	—
Front fork inner tube O.D	41 (1.6)	—
Front fork spring adjuster	9.0 (0.35)	—
Rear shock absorber spring adjuster	3rd position	—
Rear wheel travel	135 (5.31)	—
Swingarm pivot shaft runout	—	0.3 (0.01)

Fuel + Oil

Item	Specification	Note
Fuel type	Gasoline used should be graded 91 octane (Research Method) or higher. Unleaded gasoline is recommended.	
Fuel tank capacity	Including reserve 17.5 L (4.6/3.8 US/Imp gal)	
Engine oil type	SAE 10W-40, API SF/SG or SH/SJ with JASO MA	
Engine oil capacity	Change	3 200 ml (3.4/2.8 US/Imp qt)
	Filter change	3 600 ml (3.8/3.2 US/Imp qt)
	Overhaul	3 850 ml (4.1/3.4 US/Imp qt)

Tightening Torque List

Engine

Item		N·m	kgf·m	lbf·ft	
Exhaust pipe bolt		23	2.3	16.5	
Exhaust pipe mounting bolt		23	2.3	16.5	
Muffler connecting bolt		18	1.8	13.0	
Muffler cover bolt		5.5	0.55	4.0	
Muffler mounting bolt		25	2.5	18.0	
Speed sensor rotor bolt		28	2.8	20.5	
Speed sensor bolt		4.5	0.45	3.3	
Engine sprocket nut		115	11.5	83.0	
Engine mounting bolt (Cylinder)		70	7.0	50.5	
Engine mounting nut (Crankcase: 170 mm)		80	8.0	58.0	
Engine mounting nut (Crankcase: 255 mm)		80	8.0	58.0	
Cylinder head cover bolt		14	1.4	10.0	
Spark plug		11	1.1	8.0	
Cam chain guide No. 2 bolt		10	1.0	7.0	
Cam chain guide No. 1 bolt		10	1.0	7.0	
Camshaft journal holder bolt		10	1.0	7.0	
Cam chain tension adjuster service cap		23	2.3	16.5	
Cam chain tension adjuster mounting bolt		10	1.0	7.0	
Cam chain tensioner bolt		10	1.0	7.0	
Cylinder head bolt	[M10]	31 N·m (3.1 kgf·m, 22.5 lbf·ft) then turn in 1/6 (60°) turn			
	[M6]	10	1.0	7.0	
Water jacket plug		9.5	0.95	7.0	
Clutch sleeve hub nut		150	15.0	108.5	
Clutch spring set bolt		10	1.0	7.0	
Starter idle gear cover bolt		10	1.0	7.0	
Valve timing inspection cap		11	1.1	8.0	
Starter clutch bolt		54	5.4	39.0	
Generator cover bolt		10	1.0	7.0	
Generator rotor bolt		120	12.0	87.0	
Generator stator set bolt		11	1.1	8.0	
Gearshift cam stopper bolt		10	1.0	7.0	
Gearshift cam stopper plate bolt		13	1.3	9.5	
Oil pressure switch		14	1.4	10.0	
Oil filter		20	2.0	14.5	
Crankshaft journal bolt	[M9]	18 N·m (1.8 kgf·m, 13.0 lbf·ft) then turn in 50°			
Crankcase bolt	[M6]	Initial	6	0.6	4.5
		Final	11	1.1	8.0
	[M8]	Initial	15	1.5	11.0
		Final	26	2.6	19.0
Oil gallery plug	[M6]	10	1.0	7.0	
	[M10]	18	1.8	13.0	
	[M16]	35	3.5	25.5	
Oil drain plug		23	2.3	16.5	
Piston cooling oil jet bolt		10	1.0	7.0	
Oil pump mounting bolt		10	1.0	7.0	
Conrod cap bolt		15 N·m (1.5 kgf·m, 11.0 lbf·ft) then turn in 1/4 (90°) turn			
Breather cover bolt		12	1.2	8.5	
Oil pan bolt		10	1.0	7.0	
Oil cooler mounting bolt		10	1.0	7.0	
Gearshift fork shaft retainer bolt		10	1.0	7.0	
Gearshift cam bearing retainer screw		8	0.8	6.0	
GP switch mounting bolt		6.5	0.65	47	
Speed sensor mounting bolt		4.5	0.45	3.3	



Item	N·m	kgf-m	lbf-ft
Starter motor mounting bolt	10	1.0	7.0
Starter motor lead wire mounting nut	6	0.6	4.3
Starter motor housing bolt	3.5	0.35	2.5
Regulator/rectifier mounting bolt	10	1.0	7.0

FI System + Intake Air System

Item	N·m	kgf-m	lbf-ft
CMP sensor bolt	11	1.1	8.0
TP sensor mounting screw	3.5	0.35	2.5
STP sensor mounting screw	3.5	0.35	2.5
ISC valve mounting screw	2	0.2	1.5
CKP sensor mounting screw	5.5	0.55	4.0
HO2 sensor	25	2.5	18.0
Fuel delivery pipe mounting screw	3.5	0.35	2.5
Fuel pump mounting bolt	10	1.0	7.0
EXCVA pulley mounting bolt	5	0.5	3.7
IAT sensor mounting bolt	1.5	0.15	1.0

Cooling System

Item	N·m	kgf-m	lbf-ft
Impeller securing bolt	8	0.8	5.7
Water pump case screw	5.5	0.55	4.0
Water pump mounting bolt	10	1.0	7.0
ECT sensor	18	1.8	13.0
Thermostat connector bolt	10	1.0	7.0
Thermostat cover bolt	10	1.0	7.0
Water inlet connector bolt	10	1.0	7.0
Air bleeder bolt	5.5	0.55	4.0

Chassis

Item	N·m	kgf-m	lbf-ft
Steering stem nut	45 N·m (4.5 kgf-m, 32.5 lbf-ft) then turn back 1/2 → 1/4		
Steering stem head nut	90	9.0	65.0
Handlebar clamp bolt	23	2.3	16.5
Handlebar holder nut	45	4.5	32.5
Front fork upper clamp bolt	23	2.3	16.5
Front fork lower clamp bolt	23	2.3	16.5
Front fork cap bolt	23	2.3	16.5
Front fork inner rod lock-nut	15	1.5	11.0
Inner rod/damper rod	60	6.0	43.5
Front axle bolt	100	10.0	72.5
Front axle pinch bolt	23	2.3	16.5
Front master cylinder holder bolt (Upper and Lower)	10	1.0	7.0
Front brake caliper mounting bolt	39	3.9	28.0
Brake hose union bolt	23	2.3	16.5
Air bleeder valve (Front caliper)	7.5	0.75	5.5
Air bleeder valve (Rear caliper)	6.0	0.6	4.3
Brake disc bolt (Front)	23	2.3	16.5
Brake disc bolt (Rear)	23	2.3	16.5
Rear brake caliper mounting bolt	23	2.3	16.5
Rear brake pad mounting pin	17	1.7	12.5
Rear brake pad mounting pin plug	2.5	0.25	1.8
Rear brake master cylinder mounting bolt	10	1.0	7.0
Rear brake master cylinder rod lock-nut	18	1.8	13.0
Rear brake caliper sliding pin	27	2.7	19.5
Brake lever pivot bolt	1	0.1	0.73
Brake lever pivot bolt lock-nut	6	0.6	4.3
Swingarm pivot nut	100	10.0	72.5
Cushion lever mounting nut	98	9.8	71.0
Cushion rod front mounting nut	78	7.8	56.5
Cushion rod rear mounting nut	78	7.8	56.5
Rear shock absorber mounting nut (Upper and Lower)	50	5.0	36.0
Rear axle nut	115	11.5	83.0
Rear sprocket nut	55	5.5	40.0
Rear combination light screw	3	0.3	2.0
Side-stand nut	40	4.0	29.0
Side-stand bolt	50	5.0	36.0
Bank sensor bolt	18	1.8	13.0
Footrest bracket bolt	23	2.3	16.5