



Motorcycle
2012 Model: DL1000L2
Date: October 2011

MSRP \$10,399



Pearl Mira Red / Black (HUZ)

Key Features

1. 996cm³, liquid-cooled, DOHC, 90-degree V-Twin engine provides strong and accessible power throughout the rpm range for exhilarating performance.
2. Advanced digital engine management system featuring Suzuki Dual Throttle Valve (SDTV), delivers optimum combustion efficiency for linear response, fuel economy and superior low-end torque along with low emissions.
3. Suzuki Composite Electrochemical Material (SCEM)-plated cylinder for durability, weight reduction and superior heat transfer.
4. Cylinder heads, short crankshaft and staggered transmission shafts with light and compact design.
5. Auto Fast Idling System (AFIS) brings smooth starting operation.

6. Suzuki Pulsed-secondary AIR-injection (PAIR) system and catalyzer are both effectively keep emissions low.
7. Broadly spread gear ratios yield sparkling low-range acceleration and effortless high-speed cruising.
8. Carefully shaped 3-step manually adjustable windscreen with total 50mm (2.0 in) of vertical movement range to suit variety of riders.
9. Twin-spar aluminum-alloy frame and swingarm provide smooth handling with balanced rigidity.
10. Long-travel front and rear suspensions deliver comfortable ride over a wide range of surface conditions. Well-damped suspensions provide superb feedback for sporty riding.
11. Upright, relaxed riding position, well-padded seat and aerodynamic fairing yield all-day-long comfort.
12. Dual floating front disc and single rear disc brakes provide strong stopping power.
13. Easy-to-read instrument cluster includes a dual trip meter, coolant temperature gauge, fuel gauge and LED indicator lamps.
14. Easily adjustable rear spring preload compensating for varying luggage or passenger loads.



SPECIFICATIONS**MODEL: DL1000L2****DIMENSIONS AND CURB MASS**

Overall length.....	2295 mm (90.4 in)
Overall width	910 mm (35.8 in)
Overall height.....	1395 mm (54.9 in)
Wheelbase.....	1535 mm (60.4 in)
Ground clearance	165 mm (6.5 in)
Seat height.....	840 mm (33.1 in)
Curb mass	238 kg (525 lbs) ... E-33

ENGINE

Type.....	4-stroke, Liquid-cooled, DOHC, 90° V-twin
Number of cylinders	2
Bore	98.0 mm (3.858 in)
Stroke	66.0 mm (2.598 in)
Displacement	996 cm ³ (60.8 cu. in)
Compression ratio.....	11.3 : 1
Fuel system	Fuel injection
Air cleaner.....	Non-woven fabric element
Starter system.....	Electric
Lubrication system.....	Wet sump
Idle speed	1200 ± 100 r/min

DRIVE TRAIN

Clutch.....	Wet multi-plate type
Transmission.....	6-speed constant mesh
Gearshift pattern	1-down, 5-up
Primary reduction ratio.....	1.838 (57/31)
Gear ratios, Low.....	3.000 (36/12)
2nd	1.933 (29/15)
3rd.....	1.500 (27/18)
4th.....	1.227 (27/22)
5th.....	1.086 (25/23)
Top.....	0.913 (21/23)
Final reduction ratio	2.411 (41/17)
Drive chain.....	RK525 SMOZ7, 112 links

CHASSIS

Front suspension	Telescopic, coil spring, oil damped
Rear suspension.....	Link type, coil spring, oil damped
Front suspension stroke.....	160 mm (6.3 in)
Rear wheel travel	159 mm (6.3 in)
Caster	26° 30'
Trail.....	111 mm (4.4 in)
Steering angle.....	40° (right & left)
Turning radius.....	2.7 m (8.86 ft)
Front brake	Disc brake, twin
Rear brake	Disc brake
Front tire	110/80R19M/C 59H, tubeless
Rear tire	150/70R17M/C 69H, tubeless

ELECTRICAL

Ignition type	Electronic ignition (Transistorized)
Ignition timing.....	4° B.T.D.C. at 1200 r/min
Spark plug.....	NGK CR8EK or DENSO U24ETR
Battery	12V 43.2 kC (12 Ah)/10 HR
Generator.....	Three-phase A.C. generator
Main fuse	30A
Fuse.....	10/10/15/15/15/15A
Headlight.....	12V 60/55W x 2 (H4 x 2)
Position light	12V 5W x 2 ... E-02, 19
Brake/Tail light	12V 21/5W x 2
Turn signal/Hazard light	12V 21W
License plate light	12V 5W
Speedometer light.....	LED
Tachometer light	LED
Neutral indicator light	LED
High beam indicator light	LED
Turn signal indicator light	LED
Oil pressure/Coolant temperature/FI indicator light.....	LED

CAPACITIES

Fuel tank	22.0 L (5.8/4.8 US/Imp gal)
Engine oil, oil change.....	2700 ml (2.9/2.4 US/Imp qt)
with filter change	2900 ml (3.1/2.6 US/Imp qt)
overhaul	3300 ml (3.5/2.9 US/Imp qt)
Coolant	2.2 L (2.3/1.9 US/Imp qt)

SERVICE DATA

VALVE + GUIDE

Unit: mm (in)

ITEM		STANDARD	LIMIT
Valve diam.	IN.	36 (1.42)	—
	EX.	33 (1.30)	—
Tappet 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 – 0.0015)	—
	EX.	0.030 – 0.057 (0.0012 – 0.0022)	—
Valve guide I.D.	IN. & EX.	5.500 – 5.512 (0.2165 – 0.2170)	—
Valve stem O.D.	IN.	5.475 – 5.490 (0.2156 – 0.2161)	—
	EX.	5.455 – 5.470 (0.2148 – 0.2154)	—
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.	—	39.6 (1.56)
Valve spring tension	IN. & EX.	197 – 227 N (20.1 – 23.1 kgf, 44.3 – 51.0 lbs) at length 35.6 mm (1.40 in)	—

CAMSHAFT + CYLINDER HEAD

Unit: mm (in)

ITEM	STANDARD		LIMIT
Cam height	IN.	36.28 – 36.32 (1.428 – 1.430)	35.98 (1.417)
	EX.	35.68 – 35.72 (1.405 – 1.406)	35.38 (1.393)
Camshaft journal oil clearance	IN. & EX.	0.019 – 0.053 (0.0007 – 0.0021)	0.150 (0.0059)
Camshaft journal holder I.D.	IN. & EX.	22.012 – 22.025 (0.8666 – 0.8671)	—
Camshaft journal O.D.	IN. & EX.	21.972 – 21.993 (0.8650 – 0.8659)	—
Camshaft runout	IN. & EX.	—	0.10 (0.004)
Cam drive idle gear/sprocket thrust clearance		0.15 – 0.29 (0.006 – 0.011)	—
Cylinder head distortion		—	0.05 (0.002)

CYLINDER + PISTON + PISTON RING

Unit: mm (in)

ITEM	STANDARD		LIMIT
Compression pressure (Automatic de-comp. actuated)	1 000 – 1 400 kPa (10 – 14 kgf/cm ² , 142 – 199 psi)		800 kPa (8 kgf/cm ² , 114 psi)
Compression pressure difference	—		200 kPa (2 kgf/cm ² , 28 psi)
Piston to cylinder clearance	0.015 – 0.025 (0.0006 – 0.0010)		0.12 (0.0047)
Cylinder bore	98.000 – 98.015 (3.8583 – 3.8589)		Nicks or Scratches
Piston diam.	97.980 – 97.995 (3.8575 – 3.8581) Measure at 10 mm (0.4 in) from the skirt end.		97.880 (3.8535)
Cylinder distortion	—		0.05 (0.002)
Piston ring free end gap	1st	Approx. 8.8 (0.35)	7.0 (0.28)
	2nd	Approx. 10.1 (0.40)	8.1 (0.32)
Piston ring end gap	1st	0.15 – 0.35 (0.006 – 0.014)	0.5 (0.02)
	2nd	RN 0.30 – 0.45 (0.012 – 0.018)	0.7 (0.03)
Piston ring to groove clearance	1st	—	0.18 (0.0071)
	2nd	—	0.15 (0.0059)

ITEM	STANDARD		LIMIT
Piston ring groove width	1st	0.93 – 0.95 (0.0366 – 0.0374)	—
		1.55 – 1.57 (0.0610 – 0.0618)	—
	2nd	1.01 – 1.03 (0.0398 – 0.0406)	—
	Oil	2.51 – 2.53 (0.0988 – 0.0996)	—
Piston ring thickness	1st	0.86 – 0.91 (0.034 – 0.036)	—
		1.38 – 1.40 (0.054 – 0.055)	—
	2nd	0.97 – 0.99 (0.038 – 0.039)	—
Piston pin bore I.D.	22.002 – 22.008 (0.8662 – 0.8665)		22.030 (0.8673)
Piston pin O.D.	21.992 – 22.000 (0.8658 – 0.8661)		21.980 (0.8654)

CONROD + CRANKSHAFT

Unit: mm (in)

ITEM	STANDARD	LIMIT
Conrod small end I.D.	22.010 – 22.018 (0.8665 – 0.8668)	22.040 (0.8677)
Conrod big end side clearance	0.17 – 0.32 (0.007 – 0.013)	0.50 (0.020)
Conrod big end width	21.95 – 22.00 (0.864 – 0.866)	—
Crank pin width	44.17 – 44.22 (1.739 – 1.741)	—
Conrod big end oil clearance	0.040 – 0.064 (0.0016 – 0.0025)	0.080 (0.0031)
Crank pin O.D.	44.976 – 45.000 (1.7707 – 1.7717)	—
Crankshaft journal oil clearance	0.002 – 0.029 (0.0008 – 0.0011)	0.080 (0.0031)
Crankshaft journal O.D.	47.985 – 48.000 (1.8892 – 1.8898)	—
Crankshaft journal holder width	25.2 – 25.4 (0.99 – 1.00)	—
Crankshaft journal width	25.50 – 25.55 (1.004 – 1.006)	—
Crankshaft runout	—	0.05 (0.004)

OIL PUMP

ITEM	STANDARD	LIMIT
Oil pressure (at 60 °C, 140 °F)	Above 400 kPa (4.0 kgf/cm ² , 57 psi) Below 700 kPa (7.0 kgf/cm ² , 100 psi) at 3 000 r/min	—

CLUTCH

Unit: mm (in)

ITEM	STANDARD	LIMIT
Drive plate thickness	No. 1 2.92 – 3.08 (0.115 – 0.121)	2.62 (0.103)
	No. 2 and 3 3.72 – 3.88 (0.146 – 0.153)	3.42 (0.135)
Drive plate claw width	No.1 13.85 – 13.96 (0.545 – 0.550)	13.05 (0.514)
	No. 2 and 3 13.90 – 14.00 (0.547 – 0.551)	13.10 (0.516)
Driven plate distortion	—	0.10 (0.004)
Clutch spring free length	61.5 – 62.5 (2.42 – 2.46)	59.4 (2.34)
Clutch master cylinder bore	14.000 – 14.043 (0.5512 – 0.5528)	—
Clutch master cylinder piston diam.	13.957 – 13.984 (0.5495 – 0.5505)	—
Clutch release cylinder bore	35.700 – 35.762 (1.4055 – 1.4079)	—
Clutch release cylinder piston diam.	35.650 – 35.675 (1.4035 – 1.4045)	—

THERMOSTAT + RADIATOR + FAN

ITEM	STANDARD	LIMIT
Thermostat valve opening temperature	86.5 – 89.5 °C (188 – 193 °F)	—
Thermostat valve lift	Over 8 mm (0.31 in) at 100 °C (212 °F)	—
Radiator cap valve opening pressure	110 kPa (1.1 kgf/cm ² , 15.6 psi)	—
Cooling fan thermostat operating	OFF →	Approx. 105 °C (221 °F)
	ON →	Approx. 100 °C (212 °F)
Engine coolant temperature sensor resistance	20 °C (68 °F)	Approx. 2.45 kΩ
	40 °C (104 °F)	Approx. 1.148 kΩ
	60 °C (140 °F)	Approx. 0.587 kΩ
	80 °C (176 °F)	Approx. 0.322 kΩ

DRIVE TRAIN

Unit: mm (in) Expect ratio

ITEM		STANDARD	LIMIT
Primary reduction ratio		1.838 (57/31)	—
Final reduction ratio		2.411 (41/17)	—
Gear ratio	Low	3.000 (36/12)	—
	2nd	1.933 (29/15)	—
	3rd	1.500 (27/18)	—
	4th	1.227 (27/22)	—
	5th	1.086 (25/23)	—
	Top	0.913 (21/23)	—
Shift fork to groove clearance		0.1 – 0.3 (0.004 – 0.012)	0.50 (0.020)
Shift fork groove width		5.0 – 5.1 (0.197 – 0.201)	—
Shift fork thickness		4.8 – 4.9 (0.189 – 0.193)	—
Drive chain	Type	RK525SMOZ7	—
	Links	112 links, ENDLESS	—
	20-pitch length	—	319.4 (12.6)
Drive chain slack		20 – 30 (0.8 – 1.2)	—
Gearshift lever height		25 (1.0)	—

INJECTOR + FUEL PUMP + FUEL PRESSURE REGURATOR

ITEM	SPECIFICATION	NOTE
Injector resistance	12 – 18 Ω at 20 °C (68 °F)	
Fuel pump discharge amount	Approx. 1.2 L (1.3/1.1 US/Imp qt) for 1 minute at 300 kPa (3.0 kgf/cm ² , 43 psi)	
Fuel pressure regulator operating set pressure	Approx. 300 kPa (3.0 kgf/cm ² , 43 psi)	

FI-SENSORS

ITEM	SPECIFICATION		NOTE
CMP sensor output voltage	More than 3.7 V		
CKP sensor resistance	130 – 240 Ω		
CKP sensor peak voltage	More than 3.7 V (When cranking)		
IAP sensor input voltage	4.5 – 5.5 V		
IAP sensor output voltage	Approx. 2.5 V at idle speed		
TP sensor input voltage	4.5 – 5.5 V		
TP sensor resistance	Closed	Approx. 1.1 k Ω	
	Opened	Approx. 4.3 k Ω	
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 resistance	Approx. 2.45 k Ω at 20 °C (68 °F)		
IAT sensor input voltage	4.5 – 5.5 V		
IAT sensor resistance	Approx. 2.45 k Ω at 20 °C (68 °F)		
AP sensor input voltage	4.5 – 5.5 V		
AP sensor output voltage	Approx. 4.0 V at 760 mmHg (100 kPa)		
TO sensor resistance	19.1 – 19.7 k Ω		
TO sensor voltage	Approx. 0.4 – 1.4 V		
GP switch voltage	More than 1.0 V (From 1st to top)		
Injector voltage	Battery voltage		
Ignition coil primary peak voltage	More than 150 V (When cranking)		
STP sensor input voltage	4.5 – 5.5 V		
STP sensor resistance	Closed	Approx. 1.1 k Ω	
	Opened	Approx. 4.3 k Ω	
STP sensor output voltage	Closed	Approx. 1.1 V	
	Opened	Approx. 4.3 V	
STV actuator resistance	4.8 – 7.2 Ω		

THROTTLE BODY

ITEM	SPECIFICATION
ID No.	06G5
Bore size	45 mm
Fast idle r/min	1 500 – 2 100 r/min at 25 °C (77 °F)
Idle r/min	1 200 \pm 100 r/min/Warmed engine
Throttle cable play	2.0 – 4.0 r/min (0.08 – 0.16 in)

ELECTRICAL

Unit: mm (in)

ITEM		SPECIFICATION		NOTE
Ignition timing		4° B.T.D.C. at 1 200 r/min		
Firing order		1-2		
Spark plug		Type	NGK: CR8EK Denso: U24ETR	
		Gap	0.6 – 0.7 (0.024 – 0.028)	
Spark performance		Over 8 (0.3) at 1 atm.		
Crankshaft position sensor resistance		130 – 240 Ω		BI – G
Ignition coil resistance		Primary	2 – 5 Ω	⊕ tap – ⊖ tap
		Secondary	24 – 37 kΩ	⊕ tap – Plug cap
Crankshaft position sensor peak voltage		More than 3.7 V		When cranking
Ignition coil primary peak voltage		More than 150 V		When cranking
Generator coil resistance		0.2 – 0.5 Ω		Y – Y
Generator Max. output		Approx. 400 W at 5 000 r/min		
Generator no-load voltage (When engine is cold)		More than 75 V (AC) at 5 000 r/min		
Regulated voltage		14.0 – 15.5 V at 5 000 r/min		
Starter relay resistance		3 – 6 Ω		
Battery	Type designation	FTX14-BS		
	Capacity	12 V 43.2 kC (12 Ah)/10 HR		
Fuse size	Headlight	HI	15 A	
		LO	15 A	
	Turn signal		15 A	
	Ignition		10 A	
	Fan motor		15 A	
	Meter		10 A	
	Main		30 A	

WATTAGE

Unit: W

ITEM	SPECIFICATION
Headlight	12 V 60/55 W × 2 (H4)
Position/Parking light	
Brake/Tail light	12 V 21/5 W × 2
Turn signal light	12 V 21 W
License light	12 V 5 W
Speedometer light	LED
Turn signal indicator light	LED
High beam indicator light	LED
Neutral indicator light	LED
Oil pressure/Coolant temp./Fuel injection warning	LED

BRAKE + WHEEL

Unit: mm (in)

ITEM	STANDARD		LIMIT
Rear brake pedal height	20 – 30 (0.8 – 1.2)		—
Brake disc thickness	Front	5.0 ± 0.2 (0.197 ± 0.008)	4.5 (0.18)
	Rear	5.0 ± 0.2 (0.197 ± 0.008)	4.5 (0.18)
Brake disc runout (Front & Rear)	—		0.30 (0.012)
Master cylinder bore	Front	15.870 – 15.913 (0.6248 – 0.6265)	—
	Rear	14.000 – 14.043 (0.5512 – 0.5529)	—
Master cylinder piston diam.	Front	15.827 – 15.854 (0.6231 – 0.6242)	—
	Rear	13.957 – 13.984 (0.5495 – 0.5506)	—
Brake caliper cylinder bore	Front	30.230 – 30.306 (1.1902 – 1.1931)	—
	Rear	38.180 – 38.230 (1.5031 – 1.5051)	—
Brake caliper piston diam.	Front	30.150 – 30.200 (1.1870 – 1.1890)	—
	Rear	38.098 – 38.148 (1.4999 – 1.5019)	—
Wheel rim runout (Front & Rear)	Axial	—	2.0 (0.08)
	Radial	—	2.0 (0.08)

ITEM	STANDARD		LIMIT
Wheel axle runout	Front	—	0.25 (0.010)
	Rear	—	0.25 (0.010)
Wheel rim size	Front	19M/C × MT 2.50	—
	Rear	17M/C × MT 4.00	—
Tire size	Front	110/80R19M/C 59H	—
	Rear	150/70R17M/C 69H	—
Tire type	Front	BRIDGESTONE: TW101 F	—
	Rear	BRIDGESTONE: TW152 F	—
Tire tread depth	Front	—	1.6 (0.06)
	Rear	—	2.0 (0.08)

SUSPENSION

Unit: mm (in)

ITEM	STANDARD		LIMIT
Front fork stroke	160 (6.3)		—
Front fork spring free length	433.6 (17.07)		424 (16.7)
Front fork oil level (without spring, inner tube fully compressed)	140.0 (5.51)		—
Front fork oil type	SUZUKI FORK OIL SS-08 or an equivalent fork oil		
Front fork oil capacity (each leg)	496.0 ml (16.76/17.46 US/Imp oz)		
Front fork spring adjuster	3rd groove from top		—
Rear shock absorber spring adjuster	2nd groove from bottom		—
Rear shock absorber damping force adjuster	Rebound	7/8 turn out from stiffest position	—
Rear wheel travel	159 (6.3)		—
Swingarm pivot shaft runput	—		0.3 (0.01)

TIRE PRESSURE

COLD INFLATION TIRE PRESSURE	SOLO RIDING			DUAL RIDING		
	kPa	kgf/cm ²	psi	kPa	kgf/cm ²	psi
FRONT	250	2.50	36	250	2.50	36
REAR	250	2.50	36	280	2.80	41

FUEL + OIL + ENGINE COOLANT

ITEM	SPECIFICATION		NOTE
Fuel type	Use only unleaded gasoline of at least 87 pump octane (R/2 + M/2) or 91 octane or higher rated by the research method. Gasoline containing MTBE (Methyl Tertiary Butyl Ether), less than 10% ethanol, or less than 5% methanol with appropriate cosolvents and corrosion inhibitor is permissible.		E-28, 33
	Gasoline used should be graded 91 octane or higher. An unleaded gasoline is recommended.		E-24
Fuel tank	17 L (4.5/3.7 US/Imp gal)		
Engine oil type	SAE 10W-40, API SF/SG or SH/SJ with JASO MA		
Engine oil capacity	Change	2 700 ml (2.9/2.4 US/Imp qt)	
	Filter change	2 900 ml (3.1/2.6 US/Imp qt)	
	Overhaul	3 300 ml (3.5/2.9 US/Imp qt)	
Brake fluid type	DOT 4		
Engine coolant type	Use an anti-freeze/coolant compatible with aluminum radiator, mixed with distilled water only, at the ratio of 50:50.		
Engien coolant	Reserve tank side	Approx. 250 ml (0.3/0.2 US/Imp qt)	
	Engine side	Approx. 1 950 ml (2.1/1.7 US/Imp qt)	

TIGHTENING TORQUE ENGINE

ITEM		N·m	kgf·m	lbf·ft
Cylinder head cover bolt		14	1.4	10.0
Spark plug		11	1.1	8.0
Camshaft journal holder bolt		10	1.0	7.0
Cam chain tension adjuster bolt	[F]	23	2.3	16.5
	[R]	7	0.7	5.0
Cam chain tension adjuster mounting bolt		10	1.0	7.0
Cam drive idle gear/sprocket shaft		40	4.0	29.0
Cam chain tensioner mounting bolt		10	1.0	7.0
Cylinder head nut	[M: 8]	25	2.5	18.0
	[M: 6]	10	1.0	7.0
Cylinder head bolt	[M: 10]	47	4.7	34.0
	[M: 6]	10	1.0	7.0
Cylinder nut	[M: 6]	10	1.0	7.0
Water drain bolt	[M: 6]	5.5	0.55	4.0
	[M: 8]	13	1.3	9.5
Clutch sleeve hub nut		150	15.0	108.5
Clutch spring set bolt		10	1.0	7.0
Cam drive idle gear/sprocket nut		70	7.0	50.5
Primary drive gear nut		115	11.5	83.0
Generator cover plug		15	1.5	11.0
Valve timing inspection plug		23	2.3	16.5
Generator rotor bolt		160	16.0	115.5
Starter clutch bolt		26	2.6	19.0
Generator stator set bolt		10	1.0	7.0
Gearshift cam stopper bolt		10	1.0	7.0
Gearshift cam stopper plate bolt		10	1.0	7.0
Gearshift arm stopper bolt		23	2.3	16.5
Oil pressure switch		14	1.4	10.0
Crankcase bolt	[M: 6]	11	1.1	8.0
	[M: 8]	26	2.6	19.0
Generator cover bolt	[M: 6]	11	1.1	8.0
Clutch cover bolt	[M: 6]	11	1.1	8.0
Gearshift cover bolt	[M: 6]	11	1.1	8.0
Water pump case bolt	[M: 6]	11	1.1	8.0
Oil gallery plug	[M: 16]	35	3.5	25.5
	[M: 8]	18	1.8	13.0
Oil drain plug		23	2.3	16.5
Piston cooling oil nozzle screw		8	0.8	6.0
Oil pump mounting bolt		10	1.0	7.0
Conrod bearing cap bolt		35 N·m (3.5 kgf·m, 25.5 lbf·ft) → turn clockwise 90°		

ITEM	N·m	kgf-m	lbf-ft
Exhaust pipe bolt	23	2.3	16.5
Muffler mounting bolt/nut	23	2.3	16.5
Oil cooler union bolt	23	2.3	16.5
Engine sprocket nut	115	11.5	83.0
Engine mounting pinch bolt	23	2.3	16.5
Engine mounting bolt/nut	[M: 12]	75	7.5
	[M: 10]	55	5.5
Engine mounting thrust adjuster	12	1.2	8.5
Engine mounting thrust adjuster lock-nut	45	4.5	32.5
Engine mounting bracket pinch bolt	23	2.3	16.5
Engine mounting bracket bolt	23	2.3	16.5
Cooling fan thermo-switch	18	1.8	13.0

FI SYSTEM PARTS

ITEM	N·m	kgf-m	lbf-ft
Speed sensor rotor bolt	23	2.3	16.5
ECTS	18	1.8	13.0
IATS	18	1.8	13.0
CMPS mounting bolt	8	0.8	5.7
Fuel delivery pipe mounting screw	5	0.5	3.7
Fuel pump mounting bolt	10	1.0	7.3
Throttle body connecting bolt	5	0.5	3.7
Actuator motor cover nut	2	0.2	1.5
TPS and STPS mounting screw	3.5	0.35	2.5

CHASSIS

ITEM	N·m	kgf-m	lbf-ft
Steering stem head nut	90	9.0	65.0
Steering stem lock-nut	80	8.0	58.0
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	20	2.0	14.5
Front fork damper rod bolt	20	2.0	14.5
Front axle	100	10.0	72.5
Front axle pinch bolt	23	2.3	16.5
Handlebar clamp bolt	23	2.3	16.5
Handlebar holder nut	45	4.5	32.5
Front brake master cylinder mounting bolt	10	1.0	7.0
Front brake caliper mounting bolt	39	3.9	28.0
Brake hose union bolt	23	2.3	16.5
Clutch master cylinder mounting bolt	10	1.0	7.0
Clutch hose union bolt	23	2.3	16.5
Air bleeder valve	7.5	0.75	5.5
Brake disc bolt	23	2.3	16.5
Rear brake caliper mounting bolt	23	2.3	16.5
Rear brake caliper sliding pin	27	2.7	19.5
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 pad mounting pin	17	1.7	12.5
Rear brake pad mounting pin plug	2.5	0.25	1.8
Front footrest bracket mounting bolt	26	2.6	19.0
Swingarm pivot shaft	15	1.5	11.0
Swingarm pivot nut	100	10.0	72.5
Swingarm pivot shaft lock-nut	90	9.0	65.0
Rear shock absorber mounting nut (Upper and lower)	50	5.0	36.0
Cushion lever mounting nut (Front)	78	7.8	56.5
Cushion rod mounting nut (Upper and lower)	78	7.8	56.5
Rear axle nut	100	10.0	72.5
Rear sprocket nut	60	6.0	43.5
Seat rail mounting bolt	50	5.0	36.0
Cowling brace mounting bolt/nut	35	3.5	25.5