Features & Specifications 2016 DR650S



Key Features

- 644cc, SOHC, four-stroke, air & oil-cooled, engine.
- Height adjustable chassis allows the seat height to drop over 1.5 inches.
- Front and rear disc brakes, plus spoke-style wheels fitted with aluminum rims.
- Well balanced Dual Sport at home in the dirt or on the pavement.

Engine Features

- The compact and powerful 644cc, SOHC, four-stroke, air & oil-cooled, engine features the Suzuki Advanced Cooling System (SACS). Piston-jet cooling and an engine oil cooler create consistent performance in a variety of conditions.
- The engine is tuned with an emphasis on performance in the low-to-mid RPM range, while a geardriven counter balancer minimizes vibration for comfortable ride.
- Suzuki Composite Electrochemical Material (SCEM) coated aluminum cylinder is used for durability, light weight and excellent heat dissipation.
- Digitally mapped DC-CDI ignition system provides accurate spark timing for efficient combustion.
- A convenient electric starter (supplemented with a zero-maintenance automatic decompression system) provides easy, quick starting.
- Large MIKUNI 40mm (1.6 in) carburetor provides a smooth intake flow and quick throttle response.
- The stainless-steel exhaust system is light and corrosion-resistant, and is tuned specifically for strong low and midrange power.
- Easy-pull rack and pinion activated clutch proves precise operation and feel.
- A smooth-shifting 5-speed transmission is complemented by a sealed O-ring drive chain.





DR650SEL6

A8W: Solid Black / Solid Iron Gray

Chassis Features

- A lightweight, compact, rigid semi-double cradle frame provides agile handling on and off road.
- Innovative, height-adjustable* front forks provide smooth and progressive action. Large diameter, thin-walled tubes reduce unsprung weight while maintaining high rigidity.
- A link-type rear suspension with piggyback-style aluminum-body shock absorber provides stable
 performance. The height adjustable* shock features adjustable spring preload and compression
 damping to personalize the suspension for rider, load and terrain.
- Front and rear suspensions provides generous 260mm (10.2-inch) wheel travel for superb performance over rough terrain.
- Lightweight 290mm (11.4-inch) front floating disc brake with two-piston caliper and 240mm (9.4-inch) rear disc brake with two-piston caliper provide reliable stopping power.
- · Aluminum rims with stainless steel spokes are standard and are built for durability and strength
- The wheels are fitted with 90/90-21 front and 120/90-17 rear tires that offer excellent on and off road traction.
- Hollow-type wheel axles and an aluminum, beam-style swingarm reduce unsprung weight.
- A long, comfortable seat, aluminum footpegs and grab handles allow you to carry a passenger with ease.
- Powered by a lightweight and compact low-maintenance battery.
- A fully equipped lighting system comes with a bright 60/55W halogen headlight.

Additional Features

- Seat height may be lowered by 40mm (1.6 in) using a Genuine Suzuki Accessory kit. The kit includes a shorter side stand to match the chassis height adjustment.
- Other Genuine Suzuki Accessories include a low profile seat, cargo rack, skid plate and more.
- · 12-month limited warranty
- For more details, please visit www.suzukicycles.com.
 - *Seat and suspension height is adjustable by your Suzuki Dealer using a Genuine Suzuki Accessory kit.



Specifications DR650SEL6 E-03: USA, E-33: California

DIMENSIONS AND CURB MASS	
Overall length	2255 mm (88 8 in)
O Volcin Torigin	2235 mm (88.0 in) (Low seat)
Overall width	
Overall height	, ,
Overall fleight	1155 mm (45.5 in) (Low seat)
Wheelbase	
wheelbase	
Out	1475 mm (58.1 in) (Low seat)
Ground clearance	265 mm (10.4 in)
•	225 mm (8.9 in) (Low seat)
Seat height	
	845 mm (33.0 in) (Low seat)
Curb mass	166 kg (366 lbs)
ENGINE	
Type	4-stroke, air-cooled, OHC
Number of cylinders	
Bore	
Stroke	
Displacement	644 cm ³ (20.2 cu. in)
Compression ratio	
Carburetor	
Air cleaner	
Starter system	
Lubrication system	
Idle speed	1500 ± 100 r/min
DRIVE TRAIN	
	Wat multi plata typa
Clutch	
ClutchTransmission	5-speed constant mesh
ClutchTransmissionGearshift pattern	5-speed constant mesh 1-down, 4-up
ClutchTransmissionGearshift patternPrimary reduction ratio	5-speed constant mesh 1-down, 4-up 2.178 (61/28)
ClutchTransmissionGearshift patternPrimary reduction ratioGear ratios, Low	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12)
Clutch	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top.	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top.	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15)
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Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain CHASSIS Front suspension	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain CHASSIS Front suspension Rear suspension	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped Link type, coil spring, oil damped
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Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain CHASSIS Front suspension Rear suspension Front fork stroke	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped Link type, coil spring, oil damped 260 mm (10.2 in) 220 mm (8.7 in)
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Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain CHASSIS Front suspension Rear suspension Front fork stroke Rear wheel travel Caster	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped Link type, coil spring, oil damped 260 mm (10.2 in) 220 mm (8.7 in)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain CHASSIS Front suspension Rear suspension Front fork stroke Rear wheel travel Caster Trail	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped Link type, coil spring, oil damped 260 mm (10.2 in) 220 mm (8.7 in)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain CHASSIS Front suspension Rear suspension Front fork stroke Rear wheel travel Caster Trail Steering angle	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped Link type, coil spring, oil damped 260 mm (10.2 in) 220 mm (8.7 in)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain CHASSIS Front suspension Rear suspension Front fork stroke Rear wheel travel Caster Trail Steering angle Turning radius	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped Link type, coil spring, oil damped 260 mm (10.2 in) 220 mm (8.7 in)
Clutch Transmission. Gearshift pattern Primary reduction ratio Gear ratios, Low 2nd 3rd 4th Top. Final reduction ratio Drive chain. CHASSIS Front suspension Rear suspension Front fork stroke Rear wheel travel Caster Trail Steering angle Turning radius Front brake	5-speed constant mesh 1-down, 4-up 2.178 (61/28) 2.416 (29/12) 1.625 (26/16) 1.238 (26/21) 1.000 (21/21) 0.826 (19/23) 2.800 (42/15) DID525V9, 110 links Telescopic, coil spring, oil damped Link type, coil spring, oil damped 260 mm (10.2 in) 220 mm (8.7 in)
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Specifications DR650SEL6 E-03: USA, E-33: California

ELECTRICAL

Ignition type	
Ignition timing	
Spark plug	NGK CR10E or DENSO U31ESR-N
Battery	12V 28.8 kC (8 Ah)/10 HR
Generator	
Main fuse	30A
Fuse	
Headlight	12V 60/55W
Brake/Tail light	
Turn signal light	12V 21W
License plate light	12V 5W
Speedometer light	
Neutral indicator light	12V 2W
High beam indicator light	12V 2W
Turn signal indicator light	12V 2W

CAPACITIES

Fuel tank,	including reserve	12.0 L (3.2/2.6 US/Imp gal) E-33
		13.0 L (3.4/2.9 US/Imp gal) E-03
	reserve	3.0 L (0.8/0.7 US/Imp gal)
Engine oil,	oil change	2300 ml (2.4/2.0 US/Imp qt)
	with filter change	2400 ml (2.5/2.1 US/Imp qt)
	overhaul	2600 ml (2.7/2.3 US/Imp qt)



Service Data DR650SEL6

E-03: USA, E-33: California

VALVE + GUIDE Unit: mm (in)

ITEM	STANDARD		LIMIT
Valve diam.	IN.	33 (1.3)	_
	EX.	28 (1.1)	_
Valve clearance (when engine is cold)	IN.	0.08 - 0.13 (0.003 - 0.005)	_
	EX.	0.17 - 0.22 (0.0067 - 0.0087)	_
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 stem deflection	IN. & EX.	_	0.35 (0.014)
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 runout	IN. & EX.	_	0.05 (0.002)
Valve head thickness	IN. & EX.	_	0.5 (0.02)
Valve stem end length	IN. & EX.	_	2.7 (0.11)
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.)	INNER	_	34.4 (1.35)
	OUTER	_	38.1 (1.50)
Valve spring tension (IN. & EX.)	INNER	58 – 66 N (5.9 – 6.7 kgf, 13.0 – 14.8 lbs) at length 27.5 mm (1.1 in)	_
	OUTER	135 – 155 N (13.8 – 15.8 kgf, 30.4 – 34.8 lbs) at length 31.0 mm (1.2 in)	_



CAMSHAFT + CYLINDER HEAD

Unit: mm (in)

ITEM		STANDARD	LIMIT
Cam height	IN.	33.710 – 33.750 (1.3272 – 1.3287)	33.410 (1.3154)
	EX.	33.700 - 33.740 (1.3268 - 1.3283)	33.400 (1.3150)
Camshaft journal oil clearance	Right & Center	0.032 - 0.066 (0.0013 - 0.0026)	0.150 (0.0059)
	Left	0.028 - 0.059 (0.0011 - 0.0023)	0.150 (0.0059)
Camshaft journal holder I.D.	Right & Center	22.012 - 22.025 (0.8666 - 0.8671)	_
	Left	17.512 - 17.525 (0.6894 - 0.6900)	_
Camshaft journal O.D.	Right & Center	21.959 - 21.980 (0.8645 - 0.8654)	_
	Left	17.466 - 17.484 (0.6877 - 0.6883)	_
Camshaft runout		_	0.10 (0.004)
Rocker arm I.D.	IN. & EX.	12.000 - 12.018 (0.4724 - 0.4731)	_
Rocker arm shaft O.D.	IN. & EX.	11.973 – 11.984 (0.4714 – 0.4718)	_
Cylinder head distortion		0.05 (0.002)	
Cylinder head cover distortion		0.05 (0.002)	

CYLINDER + PISTON + PISTON RING

Unit: mm (in)

ITEM			LIMIT	
Piston to cylinder clearance			0.120 (0.0047)	
Cylinder bore			100.000 – 100.015 (3.9371 – 3.9376)	Nicks or Scratches
Piston diam.	Me	asure	99.880 (3.9323)	
Cylinder distortion			0.05 (0.002)	
Piston ring free end gap	1st	1st R Approx. 13.5 (0.53)		10.8 (0.43)
	2nd	2nd R Approx. 11.4 (0.45)		9.1 (0.36)
Piston ring end gap	1s	t	0.30 - 0.45 (0.012 - 0.018)	0.50 (0.039)
	2n	2nd 0.45 - 0.60 (0.018 - 0.024)		1.00 (0.039)
Compression pressure (Automatic decomp. actuated)		Appr	_	



ITEM		STANDARD	LIMIT
Piston ring to groove clearance	1st	_	0.180 (0.0071)
	2nd	_	0.150 (0.0059)
Piston ring groove width	1st	1.230 - 1.250 (0.048 - 0.049)	_
	2nd	1.210 - 1.230 (0.047 - 0.048)	_
	Oil	2.810 - 2.830 (0.110 - 0.111)	_
Piston ring thickness	1st	1.170 – 1.190 (0.0461 – 0.0469)	_
	2nd	1.150 - 1.170 (0.0453 - 0.0461)	_
Piston pin bore	23.002 - 23.008 (0.9056 - 0.9058)		23.030 (0.9067)
Piston pin O.D.	22.996 - 23.000 (0.9054 - 0.9055)		22.980 (0.9047)

CONROD + CRANKSHAFT

Unit: mm (in)

ITEM	STANDARD	LIMIT		
Conrod small end I.D.	23.006 - 23.014 (0.9057 - 0.9061)	23.040 (0.9071)		
Conrod deflection	_	3.0 (0.12)		
Conrod big end side clearance	0.10 - 0.65 (0.004 - 0.026)	1.00 (0.039)		
Conrod big end width	24.95 - 25.00 (0.982 - 0.984)	_		
Crankshaft runout	-	0.05 (0.002)		
Crank web to web width	71.0 ± 0.1 (2.795 ± 0.004)	_		

OIL PUMP

ITEM	STANDARD	LIMIT
Oil pump reduction ratio	1.633 (61/28 × 30/20 × 15/30)	_
Oil pressure (at 60 °C, 140 °F)	Above 30 kPa (0.3 kgf/cm², 4.3 psi) Below 70 kPa (0.7 kgf/cm², 10.0 psi) at 3 000 r/min	_



CLUTCH Unit: mm (in)

ITEM		STANDARD			
Clutch lever play		10 – 15 (0.4 – 0.6)			
Drive plate thickness	No. 1 & No. 2	No. 1 & 2.9 – 3.1 No. 2 (0.11 – 0.12)			
Driven plate distortion		-			
Clutch spring free length		_			

DRIVE TRAIN

Unit: mm (in) Except ratio

ITEM			STA	NDARD	LIMIT
Primary reduction ratio			2.178 (61/28)		_
Final reduction ratio	E-03, 28, 33	2.800 (42/15)		_	
	E-24		2.733	3 (41/15)	_
Gear ratios	Low		2.416	6 (29/12)	_
	2nd		1.625	5 (26/16)	_
	3rd		1.238	3 (26/21)	_
	4th		1.000) (21/21)	_
	Тор		0.826	6 (19/23)	_
Shift fork to groove clea	irance	0.10 - 0.30 (0.004 - 0.012)		0.50 (0.020)	
Shift fork groove width		5.0 – 5.1 (0.197 – 0.200)		_	
Shift fork thickness		4.8 – 4.9 (0.189 – 0.193)		_	
Drive chain		Type	DA	IDO: D.I.D. 525V9	_
		Links		110	_
		20-pitch length —		319.4 (12.57)	
Drive chain slack		30 – 45 (1.2 – 1.8)		_	

CARBURETOR

ITEM		SPECIFICATION		
I I EIVI	ITEM		E-33	
Carburetor type		MIKUNI BST40SS	←	
Bore size		40 mm	←	
I.D. No.		32E1	32E6	
Idle r/min		1 500 ± 100 r/min	←	
Float height		14.7 ± 1.0 mm (0.58 ± 0.04 in)	←	
Main jet	(M.J.)	# 140	←	
Jet needle	(J.N.)	6F23	←	
Needle jet	(N.J.)	Y-5M	←	
Throttle valve	(Th.V.)	#95	←	
Pilot jet	(P.J.)	# <i>42.5</i>	←	
Starter jet	(S.J.)	#40	←	
Pilot screw	(P.S.)	PRE-SET	←	
Throttle cable play (pulling cable)		2.0 – 4.0 mm (0.08 – 0.16 in)	←	

ELECTRICAL Unit: mm (in)

ITEM			NOTE	
Spark plug		Туре	ND.: U31ESR-N N.G.K.: CR10E	
			0.7 - 0.8 (0.028 - 0.031)	
Spark perform	ance		Over 8 (0.3) at 1 atm.	
Ignition coil res	sistance	Primary	$0.07 - 0.12~\Omega$	B – B/W
		Secondary	23 – 25 kΩ	Plug cap – Plug cap
Generator coil	resistance	Charging	0.5 – 0.9 Ω	Y – Y
		Power source	0.1 – 0.2 Ω	B – W
		Pick-up	170 – 256 Ω	BI – G
Generator no-l	oad voltage	More	than 75 V (AC) at 5 000 r/min	
Generator Max	k. output	Approx. 200 W at 5 000 r/min		
Regulated volt	age	13.0 - 16.0 V at 5 000 r/min		
Starter relay re	esistance	3 – 5 Ω		
Battery	Type designation		YTX9-BS	
	Capacity		2 V 28.8 kC (8 Ah)/10 HR	
	Standard electrolyte S.G.		1.320 at 20 °C (68 °F)	
Fuse size Main		30 A		
	Headlight (H)		10 A	
	Headlight (L)		10 A	



WATTAGE Unit: W

ITEM		SPECIFICATION		
		E-03, 33		
Headlight	HI	60		
	LO	55		
Brake light/Taillight		21/5		
Turn signal light		21		
Speedometer light		1.7		
Turn signal indicator light		2		
High beam indicator light		2		
Neutral indicator light		2		
License light		5		

BRAKE + WHEEL

Unit: mm (in)

ITEM	STANDARD		LIMIT
Rear brake pedal height		5 (0.2)	
Brake disc thickness	Front	4.0 ± 0.2 (0.157 ± 0.008)	3.5 (0.14)
	Rear	$4.5 \pm 0.2 \\ (0.177 \pm 0.008)$	4.0 (0.16)
Brake disc runout		-	0.30 (0.012)
Master cylinder bore	Front	12.700 - 12.743 (0.5000 - 0.5017)	_
	Rear	12.700 - 12.743 (0.5000 - 0.5017)	_
Master cylinder piston diam.	Front	12.657 - 12.684 (0.4983 - 0.4994)	_
	Rear	12.657 - 12.684 (0.4983 - 0.4994)	_
Brake caliper cylinder bore	Front	27.000 - 27.050 (1.0630 - 1.0650)	_
	Rear	30.23 - 30.28 (1.1902 - 1.1921)	_
Brake caliper piston diam.	Front	26.90 - 26.95 (1.0591 - 1.0610)	_
	Rear	30.16 - 30.18 (1.1874 - 1.1882)	_
Wheel rim runout	Axial	_	2.0 (0.08)
	Radial	_	2.0 (0.08)
Wheel axle runout	Front	_	0.25 (0.010)
	Rear	_	0.25 (0.010)



ITEM		LIMIT	
Tire rim size	Front	21 × 1.85	_
	Rear	17M/C × MT2.50	_
Tire size	Front	90/90-21M/C 54S	_
	Rear	120/90-17M/C 64S	_
Tire tread depth	Front	_	3.0 (0.12)
	Rear	_	3.0 (0.12)

SUSPENSION Unit: mm (in)

ITEM	STANDARD	LIMIT	NOTE
Front fork stroke	260 (10.2)	_	
	220 (8.7)	_	Low seat
Front fork spring free length	_	548 (21.6)	
Front fork oil level	164 (6.5)	_	
	150 (5.9)	_	Low seat
Rear shock absorber spring pre-set length	247.5 (9.74)	_	
Rear wheel travel	260 (10.2)	_	
	220 (8.7)	_	Low seat
Swingarm pivot shaft runout	_	0.3 (0.01)	

TIRE PRESSURE

COLD INFLATION	SOLO RIDING			DUAL RIDING		
TIRE PRESSURE	kPa	kgf/cm ²	psi	kPa	kgf/cm ²	psi
FRONT	150	1.50	22	175	1.75	25
REAR	175	1.75	25	200	2.00	29



FUEL + OIL

ITEM		NOTE	
Fuel type	Use only unle octane (R/2 + the reserch me Gasoline conta Ether), less th methanol with		
	sion inhibitor is	s permissible.	
Fuel tank capacity	Including	12 L (3.2/2.6 US/Imp gal)	E-33
	reserve	13 L (3.4/2.9 US/Imp gal)	E-03
	Only reserve 3.0 L (0.8/0.7 US/Imp gal)		
Engine oil type	SAE 10W-40,		
Engine oil capacity	Oil change	2 300 ml (2.4/2.0 US/Imp qt)	
	Oil and filter change	2 400 ml (2.5/2.1 US/Imp qt)	
	Engine overhaul	Engine 2 600 ml overhaul (2.7/2.3 US/lmp qt)	
Front fork oil type	Fork oil #10		
Front fork oil capacity (each leg)			
		Low seat	
Brake fluid type			



TIGHTENING TORQUE ENGINE

ITEM	N⋅m	kgf-m	lbf-ft
Cylinder head cover bolt	10	1.0	7.0
Camshaft sprocket bolt	15	1.5	11.0
Cylinder head bolt	38	3.8	27.5
Cylinder head nut	25	2.5	18.0
Cylinder base nut	10	1.0	7.0
Cam drive chain tensioner fitting bolt	13	1.3	9.5
Generator rotor bolt	160	16.0	115.5
Cam drive chain adjuster mounting bolt	10	1.0	7.0
Spark plug	11	1.1	8.0
Crankcase bolt	11	1.1	8.0
T.D.C. plug	23	2.3	16.5
Oil gallery	23	2.3	16.5
Oil nozzle bolt	10	1.0	7.0
Generator cover plug	15	1.5	11.0
Starter clutch bolt	25	2.5	18.0
Primary drive gear nut	100	10.0	72.5
Clutch spring mounting bolt	10	1.0	7.0
Clutch sleeve hub nut	50	5.0	36.0
Gearshift arm stopper	19	1.9	13.5
Engine oil drain plug	23	2.3	16.5
Engine sprocket bolt	6	0.6	4.5
Engine mounting bolt 8 mm Diam.	40	4.0	29.0
Engine mounting bolt 10 mm Diam.	65	6.5	47.0
Engine mounting bracket bolt (Upper and Front)	40	4.0	29.0
(Rear)	23	2.3	16.5
Exhaust pipe bolt	26	2.6	19.0
Muffler mounting bolt	26	2.6	19.0
Crankshaft bearing ring nut	80	8.0	58.0
Engine oil pipe union bolt (Cylinder head)	23	2.3	16.5
(Crankcase)	20	2.0	14.5
Engine oil cooler hose bolt	10	1.0	7.0
Cam drive chain adjuster cap bolt	6	0.6	4.5



CHASSIS

ITEM	N⋅m	kgf-m	lbf-ft
Front axle	65	6.5	47.0
Front axle holder nut	10	1.0	7.0
Front fork damper rod bolt	30	3.0	21.5
Front fork lower clamp bolt	26	2.6	19.0
Front fork upper clamp bolt	29	2.9	21.0
Front fork cap bolt	23	2.3	16.5
Steering stem head nut	90	9.0	65.0
Handlebar clamp bolt	23	2.3	16.5
Handlebar holder nut	25	2.5	18.0
Front brake master cylinder mounting bolt	10	1.0	7.0
Front brake caliper mounting bolt	26	2.6	19.0
Brake caliper axle bolt (Front & Rear)	23	2.3	16.5
	13	1.3	9.5
Brake hose union bolt (Front & Rear)	23	2.3	16.5
Brake pad mounting pin (Front & Rear)	18	1.8	13.0
Front brake pad mounting pin plug	2.5	0.25	1.8
Brake air bleeder valve (Front & Rear)	8	0.8	6.0
Brake disc mounting bolt (Front & Rear)	23	2.3	16.5
Swingarm pivot nut	77	7.7	55.5
Front footrest bolt	39	3.9	28.0
Chain roller mounting bolt (Upper & lower)	40	4.0	29.0
Rear brake master cylinder mounting bolt	10	1.0	7.0
Rear brake rod lock-nut	18	1.8	13.0
Rear shock absorber bolt (Upper & lower)	55	5.5	40.0
Rear cushion lever nut (Front)	80	8.0	58.0
(Center)	100	10.0	72.5
Rear cushion rod nut	100	10.0	72.5
Rear axle nut	100	10.0	72.5
Rear sprocket mounting nut	27	2.7	19.5
Spoke nipple (Front & Rear)	4.5	0.45	3.0

