Features & Specifications 2016 KingQuad 500AXi



Introduction

- In 1983, Suzuki introduced the world's first 4-wheel ATV. Today, Suzuki ATVs are everywhere. From
 the most remote areas to the most everyday tasks, you'll find the KingQuad powering a rider onward.
 And every year, we continue to evolve our machines to meet the demands of our riders. Quicker
 response. Smoother power. Better fuel consumption. Across the board, our KingQuad lineup is a
 dominating group of ATVs.
- With a long list of technologically advanced features, the Suzuki KingQuad 500AXi is equally at home on tough trails or helping you take on tough jobs. Its fuel-injected engine provides exceptional performance and features a twin-spark-plug cylinder head, multi-hole fuel injector and more, resulting in smooth performance throughout the powerband along with strong mid- to high-end performance.

Engine Features

- The powerful 493cc, SOHC, single-cylinder, liquid-cooled, four-stroke engine produces a wide powerband with strong top-end power.
- Its cylinder is canted forward for a low center of gravity resulting in reduced engine height and lower seat height. The engine also features a balancer shaft for smooth operation.
- The compact 4-valve cylinder head has large intake valves and straight intake ports for superb cylinder charging efficiency.
- A lightweight aluminum cylinder uses SCEM (Suzuki Composite Electrochemical Material) coating for excellent heat transfer and ring sealing resulting in superb combustion chamber efficiency.
- High capacity aluminum radiator with large diameter, thermostatically controlled cooling fan provides stable engine operating temperature.

Transmission Features

 The Quadmatic[™] CVT-type automatic transmission provides versatility and convenience with a fender-mounted gate-type shifter for high/low range selection. Its advanced engine-braking system minimizes free-wheeling with the throttle off and helps control the vehicle during steep descents.



- A compact torque-sensing limited-slip front differential offers potent traction plus light steering. A differential-lock system provides serious four-wheel-drive traction.
- Handlebar-mounted push-button controls permit easy selection between 2WD, 4WD and differential-lock 4WD. An override button on the left handlebar can be used to override the normal speed limiter when stuck in the mud.



Chassis Features

- Independent double A-arm front suspension (7.1 inches of wheel travel) includes large diameter shock absorbers with 5-way spring preload adjustment.
- Fully independent, A-arm/l-beam rear suspension with 7.9 inches of wheel travel includes large diameter shock absorbers with 5-way spring preload adjustment and large diameter rear sway-bar.
- Dual hydraulic front disc brakes plus a sealed, multi-plate rear brake system. The rear brake's clutch-type design provides high durability, reduced unsprung weight and low-maintenance.
- High traction 25-inch CARLISLE tires are mounted on heavy-duty steel wheels.
- · Suzuki's plush T-shaped seat delivers rider mobility during spirited or difficult terrain riding.
- Polyethylene skid plates provide protection with minimal resistance over rocks and rough terrain. Durable plastic guards protect the front and rear half shafts.

Utility/Convenience Features

- · Winch-ready mounts and wire conduit makes winch installation simple.
- Instrumentation includes LCD readouts for speedometer, odometer, twin tripmeter, hour meter, clock, fuel level, driving range and drive mode. LED indicators for high, low, neutral, reverse and 2WD/4WD and differential-locked 4WD. LED cautions for fuel injection and engine temperature.
- Distinctively-styled twin 30W halogen headlights plus a compact 5/21W tail light and brake light.
- High-output, three-phase charging system feeds an 18-amp maintenance-free battery for abundant power for easy starting and accessory use.
- The large 4.6 gallon (17.5 L) fuel tank is positioned for a low center-of-gravity. It includes a vacuumoperated petcock and a ratchet-style filler cap.
- A large 2.8 liter water resistant front storage compartment includes an easy access screw-on cap.
- The rugged steel-tube cargo racks have wrinkle paint finish for durability and scratch resistance.
- Full floorboards with integrated raised footpegs provide protection.

Additional Features

- A variety of Suzuki Genuine Accessories are available, including winches, windshield, front and rear bumpers, snow plow, aluminum skid pans, rack extensions, utility box and more.
- 12-month limited warranty
- For more details, please visit www.suzukicycles.com.



Specifications LT-A500XL6 E-03: USA, E-33: California

Dimensions and curb mass

Item	Specification	Remark
Overall length	2 135 mm (84.1 in)	
Overall width	1 210 mm (47.6 in)	
Overall height	1 245 mm (49.0 in)	
Wheelbase	1 285 mm (50.6 in)	
Front track	940 mm (37.0 in)	
Rear track	920 mm (36.2 in)	
Ground clearance	260 mm (10.2 in)	
Seat height	920 mm (36.2 in)	
Curb mass	305 kg (672 lbs)	

Engine

ltem	Specification	Remark
Туре	Four-stroke, liquid-cooled, OHC	
Number of cylinders	1	
Bore	87.5 mm (3.445 in)	
Stroke	82.0 mm (3.228 in)	
Displacement	493 cm ³ (30.1 cu.in)	
Compression ratio	9.9 : 1	
Fuel system	Fuel injection	
Air cleaner	Paper element and Polyurethane form element	
Starter system	Electric	
Lubrication system	Wet sump	
Idle speed	1 500 ± 100 r/min	

Drive train

Item		Specification	Remark
Clutch		Wet shoe, automatic, centrifugal type	
Transmission		CVT (V-belt)	
Transfer		2 speed forward with reverse	
Gearshift pattern	Transmission	Automatic	
Gearsiiii patterii	Transfer	L-H-N-R (Hand operated)	
Automatic transm	nission ratio	Variable change (2.902 – 0.779)	
Secondary reduct		2.603 (37/18 x 19/15)	
Final reduction ra Rear)	tio (Front and	3.600 (36/10)	
Transfer gear	Low	2.562 (41/16)	
ratio	High	1.240 (31/25)	
Reverse		2.000 (32/16)	
Drive system		Shaft drive	



Specifications LT-A500XL6 E-03: USA, E-33: California

Chassis

Item	Specification	Remark
Front suspension	Independent, double wishbone, coil spring, oil damped	
Rear suspension	Independent, double wishbone, coil spring, oil damped	
Front wheel travel	180 mm (7.1 in)	
Rear wheel travel	200 mm (7.9 in)	
Caster	1.6°	
Trail	3.4 mm (0.13 in)	
Toe-out	10 mm (0.39 in)	
Camber	0.64°	
Steering angle	46° (right and left)	
Turning radius	3.1 m (10.2 ft)	
Front brake	Disc brake, twin	
Rear brake	Sealed oil-bathed multi-disc	
Front tire size	AT25 x 8-12 ☆ ☆ , tubeless	
Rear tire size	AT25 x 10-12 ☆ ☆ , tubeless	

Electrical

Item	Specification	Remark
Ignition type	Electronic ignition (Transistorized)	
Ignition timing	6° B.T.D.C. at 1 500 r/min	
Spark plug	NGK LMAR6A-9	
Battery	12 V 64.8 kC (18 Ah)/10 HR	
Generator	Three-phase A.C. generator	
Fuse	30/10/10/15/15/10 A	
Headlight	12 V 35/35 W (HS1) x 2	
Brake light/Tail light	12 V 21/5 W	
Speedometer light	LED	
Coolant temperature/FI	LED	
indicator light	LLD	
Neutral indicator light	LED	
High beam indicator light	LED	
Reverse indicator light	LED	
Diff-lock indicator light	LED	

Capacities

Item		Specification	Remark
Fuel tank		17.5 L (4.6/3.8 US/Imp gal)	
	Oil change	2 500 ml (2.6/2.2 US/Imp qt)	
Engine oil	With filter	2 700 ml (2.9/2.4 US/Imp qt)	
Liigille oli	change	2 700 mi (2:9/2.4 03/mip qt)	
	Overhaul	3 200 ml (3.4/2.8 US/Imp qt)	
Differential gea	r oil	460 ml (15.6/16.2 US/Imp oz)	
Final gear oil		770 ml (26.0/27.1 US/lmp oz)	
Coolant		2.5 L (2.6/2.2 US/Imp qt)	



Service Data LT-A500XL6 E-03: USA, E-33: California

Valve + Valve Guide

Unit: mm (in)

Item		Standard	Limit
Valve diam.	IN.	30.6 (1.20)	_
valve diaiti.	EX.	27.0 (1.06)	_
Valve clearance (When cold)	IN.	0.05 - 0.10 (0.002 - 0.004)	_
valve clearance (vineri cold)	EX.	0.17 - 0.22 (0.007 - 0.009)	_
Valve guide to valve stem clearance	IN.	0.010 - 0.037 (0.0004 - 0.0015)	_
valve guide to valve sterri clearance	EX.	0.030 - 0.057 (0.0012 - 0.0022)	_
Valve guide I.D.	IN. & EX.	5.000 - 5.012 (0.1969 - 0.1973)	_
Valve stem O.D.	IN.	4.975 – 4.990 (0.1959 – 0.1965)	_
valve sterii O.D.	EX.	4.955 – 4.970 (0.1951 – 0.1957)	_
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 stem end length	IN. & EX.	_	2.3 (0.09)
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.	_	38.8 (1.53)
Valve spring tension	IN. & EX.	182 – 210 N (18.6 – 21.4 kgf, 41.0 – 47.2 lbs) at length 31.5 mm (1.24 in)	_

Camshaft + Cylinder Head

Unit: mm (in)

Item		Standard	Limit
Cam height	IN.	33.45 – 33.50 (1.317 – 1.319)	33.15 (1.305)
Cam neight	EX.	33.47 – 33.52 (1.318 – 1.320)	33.17 (1.306)
	Camshaft	0.028 - 0.059 (0.0011 - 0.0023)	
Camshaft journal oil clearance	end side	0.028 - 0.039 (0.0011 - 0.0023)	0.150 (0.0059)
	Other side	0.032 - 0.066 (0.0013 - 0.0026)	
	Camshaft	17.512 – 17.525 (0.6894 – 0.6900)	
Camshaft journal holder I.D.	end side	17.312 - 17.323 (0.0094 - 0.0900)	_
	Other side	22.012 - 22.025 (0.8666 - 0.8671)	
	Camshaft	17.466 – 17.484 (0.6876 – 0.6883)	
Camshaft journal O.D.	end side	17.400 - 17.404 (0.0070 - 0.0003)	_
	Other side	21.959 – 21.980 (0.8645 – 0.8654)	
Camshaft runout		_	0.10 (0.004)
Rocket arm I.D	IN. & EX.	12.000 – 12.018 (0.4724 – 0.4731)	
Rocket 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			Standard	Limit
Compression pressure (Automatic-decomp. actuated)		Ар	_	
Piston-to-cylinder clearance			0.030 - 0.040 (0.0012 - 0.0016)	0.120 (0.0047)
Cylinder bore			87.500 – 87.515 (3.4449 – 3.4455)	Nicks or Scratches
Piston diam.			87.465 – 87.480 (3.4435 – 3.4441) sure at 15 mm (0.6 in) from the skirt end.	87.380 (3.4402)
Cylinder distortion			_	0.05 (0.002)
Piston ring free end gap	1st		Approx. 6.2 (0.24)	4.9 (0.19)
Fision fing free end gap	2nd	2R	Approx. 12.0 (0.47)	9.6 (0.38)
Piston ring end gap	1st	1st 0.08 – 0.20 (0.003 – 0.008)		0.50 (0.020)
Fision fing end gap	2nd	2R	0.10 - 0.25 (0.004 - 0.010)	0.50 (0.020)
Piston ring-to-groove clearance	1st		_	0.180 (0.0071)
Fision fing-to-groove clearance	2nd		_	0.150 (0.0059)
	1	st	0.78 - 0.80 (0.0307 - 0.0315)	_
Piston ring groove width	'	ડા	1.30 – 1.32 (0.051 – 0.052)	_
Istorring groove width	21	nd	1.01 – 1.03 (0.040 – 0.041)	_
		Dil	2.51 – 2.53 (0.099 – 0.100)	_
Piston ring thickness	1st		0.71 – 0.76 (0.028 – 0.030)	_
	131		1.08 - 1.10 (0.0425 - 0.0433)	_
	2nd	2R	0.97 - 0.99 (0.038 - 0.039) 20.002 - 20.008 (0.7875 - 0.7877)	_
Piston pin bore I.D.			20.030 (0.7886)	
Piston pin O.D.			19.980 (0.7866)	

Conrod + Crankshaft

Unit: mm (in)

,		
Item	Standard	Limit
Conrod small end I.D.	20.006 - 20.014 (0.7876 - 0.7880)	20.040 (0.7890)
Conrod deflection	_	3.0 (0.12)
Conrod big end side clearance	0.10 - 0.65 (0.004 - 0.026)	1.0 (0.04)
Conrod big end width	24.95 - 25.00 (0.982 - 0.984)	_
Crank web to web width	70.9 – 71.1 (2.79 – 2.80)	_
Crankshaft runout	-	0.08 (0.003)

Oil Pump

Item	Standard	Limit
Oil pressure (at 60 °C, 140 °F)	80 – 120 kPa (0.8 – 1.2 kgf/cm², 11 –17 psi) at 3 000 r/min	_

Clutch

Unit: mm (in)

Item	Standard	Limit
Clutch wheel I.D.	140.0 – 140.2 (5.512 – 5.520)	140.5 (5.53)
Clutch shoe		No groove at any
Clutch shoe	_	part
Clutch engagement r/min.	1 700 – 2 200 r/min	_
Clutch lock-up r/min.	3 700 – 4 300 r/min	_



Drive Train

Unit: mm (in) Except ratio

Item		Standard	Limit
Automatic transmission ratio		Variable change (2.902 – 0.779)	_
Secondary reduction ratio		2.603 (37/18 x 19/15)	_
Final	Front	3.600 (36/10)	_
reduction ratio	Rear	3.600 (36/10)	_
Transfer gear	Low	2.562 (41/16)	_
ratio	High	1.240 (31/25)	
Tallo	Reverse	2.000 (32/16)	_
Drive V-belt wid	dth	31.1 (1.22)	30.1 (1.18)
Movable driven	n face spring free length		190 (7.48)
Shift fork to gro	ove clearance	0.10 - 0.30 (0.0040 - 0.0120)	0.50 (0.020)
Shift fork	Reverse	5.50 - 5.60 (0.217 - 0.220)	_
groove width	High	5.50 - 5.60 (0.217 - 0.220)	_
Shift fork	Reverse	5.30 - 5.40 (0.209 - 0.213)	_
thickness	High	5.30 - 5.40 (0.209 - 0.213)	_
Rear output sh	aft bevel gear backlash		_
Front drive (diff	ferential) gear backlash	0.05 - 0.20 (0.002 - 0.008)	_
Final gear	Without gear cover specification	0.02 - 0.06 (0.0008 - 0.0024)	_
backlash	Gear cover assembled specification	0.08 – 0.15 (0.0031 – 0.0059)	_
Front differential gear oil type		Hypoid gear oil SAE 90, API grade GL-5 or SAE 75 W-90	_
Final gear oil ty		Mobil fluid 424 (or equivalent gear oil)	_
Front differentia	al gear oil capacity	460 ml (15.6/16.2 US/Imp oz)	_
Final gear oil capacity		770 ml (26.0/27.1 US/Imp oz)	_

Thermostat + Radiator + Fan + Coolant

Item		Note	
Thermostat valve opening		_	
temperature Thermostat valve lift	8 m	nm (0.31 in) and over at 95 °C (203 °F)	
Radiator cap valve opening			_
pressure	110 – 1	_	
Cooling fan operating temperature	$OFF \rightarrow ON$, ,	
Cooling fair operating temperature	$ON \rightarrow OFF$	7	_
Engine coolant type	Use an antif		
Lingine coolant type	radiator, mix	_	
Engine coolant capacity	Reservoir	250 ml (0.26/0.22 US/Imp qt)	_
Engine coolant capacity	Engine	2 200 ml (2.32/1.94 US/Imp qt)	

Injector + Fuel Pump + Fuel Pressure Regulator

Item	Specification	Note
Injector resistance	11 – 13 Ω at 20 °C (68 °F)	
Fuel pump discharge amount	55.5 ml (1.88/1.95 US/Imp qt) and more/10 sec.	
Fuel pressure regulator operating set pressure	Approx. 294 kPa (2.9 kgf/cm ² , 41 psi)	



FI Sensors

Item		Specification	Note
CKP sensor resistance	170 – 250 Ω		
CKP sensor peak voltage	5.0 V and more		When cranking
IAP sensor input voltage		4.5 – 5.5 V	
IAP sensor output voltage		0.78 – 3.35 V at idle speed	
TP sensor input voltage		4.5 – 5.5 V	
TP sensor output voltage	Closed	0.93 – 1.31 V	
TF Sensor output voltage	Opened	3.64 – 4.82 V	
IAT sensor input voltage		4.5 – 5.5 V	
IAT sensor output voltage		1.88 – 3.06 V at 20 °C (68 °F)	
IAT sensor resistance	20 °C (68 °F) 2.22 – 3.22 kΩ		
ECT sensor input voltage		4.5 – 5.5 V	
ECT sensor output voltage		0.15 – 4.85 V	
ECT sensor resistance	20 °C (68 °F)	Approx. 2.45 kΩ	
TO sensor resistance		19 – 20 kΩ	
TO sensor voltage	Normal	0.4 – 1.4 V	
10 serisor voltage	Leaning	3.7 – 4.4 V	When leaning 65°
ISC valve resistance		Approx. 31 Ω at 20 °C (68 °F)	
Injector voltage	Battery voltage		
Ignition coil primary peak voltage	150 V and more		When cranking
PAIR control solenoid valve resistance	20 – 24 Ω at 20 – 30 °C (68 – 86 °F)		
Vehicle speed sensor input voltage		Battery voltage	

Throttle Body

Item	Standard/Specification	Note
Bore size	37 mm	
I.D. No.	31H1	
Idle r/min	1 500 ± 100 r/min	
Throttle cable play	3 – 5 mm (0.1 – 0.2 in)	

Electrical

Unit: mm (in)

lter	m		Note			
Spark plug		Type NGK: LMAR6A-9				
		Gap	0.8 - 0.9 (0.031 - 0.035)			
Spark performance		Over 8 (0.3) at 1 atm.				
Ignition coil resistance		Ignition coil resistance		Primary	1 – 5 Ω	Terminal – Terminal
		Secondary 25 – 40 kΩ		Plug cap – Plug cap		
Ignition coil primary	/ peak voltage		150 V and more	When cranking		
Generator coil resis	stance		0.1 – 1.0 Ω			
Generator Max. ou	tput	Approx. 400 W at 5 000 r/min				
Generator no-load voltage (When engine is cold)		70 V (AC) and more at 5 000 r/min				
Regulated voltage			13.5 – 15.5 V at 5 000 r/min			
Starter motor brush	longth	Standard	10 (0.39)			
Starter motor brush	riengui	Limit				
Starter relay resista	ince		3 – 5 Ω			
Battery	Type designation		YTX20CH-BS			
	Capacity	12 V 64.8 kC (18 Ah)/10 HR				
	Headlight HI	10 A				
LO						
Fuse size	Power source		10 A			
	Ignition	15 A				
	Fuel	10 A				
Fan						
	Main		30 A			

Wattage Unit: W

Item	Standard/Specification
Headlight	12 V 35/35 (HS1) x 2
Brake light/Tail light	12 V 21/5
Reversing light	_
Speedometer light	LED
High beam indicator light	_
Neutral indicator light	LED
Coolant temperature/FI indicator	LFD
light	LED
Reverse indicator light	LED
Diff-lock indicator light	LED



Brake + Wheel

Unit: mm (in)

Item	Standard/Specification	Limit
Rear brake pedal height	12.5 – 22.5 (0.5 – 0.9)	_
Rear brake pedal free travel	20 – 30 (0.8 – 1.2)	_
Front brake disc thickness	3.3 – 3.7 (0.13 – 0.15)	3.0 (0.12)
Front brake disc runout	_	0.30 (0.012)
Front master cylinder bore/Piston diameter	Approx. 14.0 (0.55)	_
Front brake caliper cylinder bore/ Piston diameter	Approx. 33.96 (1.337)	_
Rear brake lever play	6 – 8 (0.2 – 0.3)	_
Rear brake outer distance	26.0 – 27.0 (1.02 – 1.06)	_
Brake side plate spring free length	21.3 (0.84)	20.2 (0.80)
Brake fluid type	DOT 4	_
Steering angle	46 ° (right & left)	_
Turning radius	3.1 m (10.2 ft)	_
Toe-out (With 75 kg, 165 lbs)	10 ± 4 (0.39 ± 0.16)	_
Camber	0.64°	_
Caster	1.6°	_

Tire

Unit: mm (in)

Item		Standard		
Cold inflation tire pressure	Front	35 kPa (0.35 kgf/cm ² , 5.1 psi)	_	
(Solo riding)	Rear	30 kPa (0.30 kgf/cm ² , 4.4 psi)	_	
Tire size	Front	AT 25 x 8-12 ☆ ☆ , tubeless	_	
THE SIZE	Rear	AT 25 x 10-12 ☆ ☆ , tubeless	_	
Tire tread depth	Front	_	4.0 (0.16)	
The head depth	Rear	_	4.0 (0.16)	

Suspension

Item	Standard	Limit
Front shock absorber spring adjuster	2/5 position	
Rear shock absorber spring adjuster	2/5 position	_

Fuel + Oil

Item		Note	
	Use only unleaded	gasoline of at least 87 pump octane (R/2	
	+ M/2) or 91 octan		
	Method. Gasoline	containing MTBE (Methyl Tertiary Butyl	
Fuel type	Ether), less than 10		
ruei type	with appropriate co		
	permissible.		
Fuel tank capacity			
Engine oil type	SAE) MA	
	Change	qt)	
Engine oil capacity	Filter change	qt)	
	Overhaul 3 200 ml (3.4/2.8 US/Imp		qt)



Tightening Torque List

Engine

Item		N⋅m	kgf-m	lbf-ft
Spark plug		11	1.1	8.0
Air cleaner box mounting bolt		4.5	0.45	3.0
Cylinder head cover bolt		10	1.0	7.0
Rocket arm shaft bolt		28	2.8	20.0
Intake pipe bolt		9	0.9	6.5
Cylinder head bolt (M8)		25	2.5	18.0
	Initial	25	2.5	18.0
Cylinder head bolt (M10)	Final	37	3.7	27.0
Cylinder head base nut		25	2.5	18.0
Camshaft sprocket bolt		15	1.5	11.0
Cam chain tensioner bolt		13	1.3	9.5
Cam chain tension adjuster mounting bolt		10	1.0	7.0
Cam chain tension adjuster cap bolt		8	0.8	6.0
Crankcase bolt (M6)		10	1.0	7.0
Crankcase bolt (M8)		26	2.6	19.0
TDC plug		23	2.3	16.5
Valve clearance adjuster lock-nut		10	1.0	7.0
Valve clearance inspection cap bolt		10	1.0	7.0
Clutch shoe nut		150	15.0	108.5
Movable drive face bolt		110	11.0	79.5
Movable driven face bolt		110	11.0	79.5
Movable driven face ring nut		110	11.0	79.5
Clutch outer cover bolt		8	0.8	6.0
Clutch inner cover bolt		9	0.9	6.5
Generator rotor nut		140	14.0	101.5
Generator stator set bolt		11	1.1	8.0
Speed sensor bolt		10	1.0	7.0
Starter clutch bolt		26	2.6	19.0
Left crankshaft spacer nut		38	3.8	27.5
Exhaust pipe nut		25	2.5	18.0
Muffler connecting bolt		25	2.5	18.0
Muffler mounting bolt		25	2.5	18.0
Muffler end cover nut		11	1.1	8.0
Muffler cover bolt		10	1.0	7.0
Engine oil drain plug		21	2.1	15.0
Engine coolant drain plug		12.5	1.25	9.0
Drive bevel gear nut		100	10.0	72.5
Engine mounting nut		60	6.0	43.5
Engine mounting damper stopper bolt		23	2.3	16.5
Rear output shaft nut		100	10.0	72.5
Crank balancer drive gear nut		150	15.0	108.5
Crank balancer driven gear bolt		50	5.0	36.0
Starter motor mounting bolt		10	1.0	7.0
Starter motor lead wire connecting nut		6	0.6	4.5
Starter motor housing bolt		3.5	0.35	2.0
Oil gallery plug (M8)		18	1.8	13.0
Oil gallery plug (M12)		21	2.1	15.0
PAIR reed valve cover bolt (If equipped)		10	1.0	7.0



Drive Train

Item	N·m	kgf-m	lbf-ft
2WD/4WD/diff-lock actuator mounting bolt	10	1.0	7.0
Front drive (differential) gear case cover bolt	12	1.2	8.5
Front drive (differential) gear case mounting nut	50	5.0	36.0
Front differential gear oil level plug	8	0.8	6.0
Front differential gear oil filler plug	35	3.5	25.5
Front differential gear oil drain plug	32	3.2	23.0
Front propeller shaft boot clamp screw	1.3	0.13	0.94
Final drive gear nut	100	10.0	72.5
Rear drive bearing stopper	100	10.0	72.5
Final gear case bolt (M8)	26	2.6	19.0
Final gear case bolt (M10)	55	5.5	40.0
Final gear case mounting nut	75	7.5	54.0
Final gear case mounting bolt	75	7.5	54.0
Rear propeller shaft boot clamp screw	2	0.2	1.5
Final gear oil drain plug	23	2.3	16.5
Rear propeller shaft coupling nut	100	10.0	72.5
Rear output shaft nut	100	10.0	72.5
Rear output shaft driven gear nut	100	10.0	72.5

FI System, Intake System and Fuel System

Item	N·m	kgf-m	lbf-ft
CKP sensor mounting bolt	6	0.6	4.5
Generator lead wire clamp bolt	6	0.6	4.5
Fuel delivery pipe mounting screw	3.5	0.35	2.5
ECT sensor	18	1.8	13.0
ISC valve mounting screw	2	0.2	1.5
Air cleaner outlet tube clamp screw	1.5	0.15	1.0
Intake pipe clamp screw	1.5	0.15	1.0
PAIR control solenoid valve bracket bolt (If equipped)	10	1.0	7.0

Cooling System

Item	N⋅m	kgf-m	lbf-ft
Water pump cover screw	5.5	0.55	4.0
Water pump mounting bolt	10	1.0	7.0
Cooling fan thermo-switch (P-17, 24)	18	1.8	13.0
Thermostat case bolt	23	2.3	16.5
Cooling fan mounting bolt	8.4	0.84	6.0
Water hose clamp screw	1.5	0.15	1.0
Water bypass union	12	1.2	8.5
Water pump drain bolt	13	1.3	9.5



Chassis

Item	N∙m	kgf-m	lbf-ft
Handlebar upper clamp bolt	26	2.6	19.0
Handlebar holder nut	60	6.0	43.5
Rear brake lever holder clamp bolt	10	1.0	7.5
Throttle lever case clamp bolt	4	0.4	3.0
Throttle lever case screw	2	0.2	1.5
EPS body assembly mounting bolt (LT-A500XP/PZ)	26	2.6	19.0
EPS body assembly mounting nut (LT-A500XP/PZ)	28	2.8	20.0
Steering shaft upper nut (LT-A500XP/PZ)	120	12.0	87.0
Steering shaft bolt (LT-A500XP/PZ)	26	2.6	19.0
Steering shaft holder bolt (LT-A500X/Z)	23	2.3	16.5
Steering shaft lower nut	162	16.2	117.0
EPS control unit mounting nut (LT-A500XP/PZ)	12	1.2	8.5
Front suspension arm pivot nut (Upper)	60	6.0	43.5
Front suspension arm pivot nut (Lower)	65	6.5	47.0
Steering knuckle end nut (Upper and Lower)	29	2.9	21.0
Tie-rod end nut	29	2.9	21.0
Tie-rod lock-nut (LT-A500XP/PZ)	29	2.9	21.0
Tie-rod lock-nut (LT-A500X/Z)	45	4.5	32.5
Front shock absorber mounting bolt (Upper)	55	5.5	40.0
Front shock absorber mounting nut (Lower)	60	6.0	43.5
Front hub nut	110	11.0	79.5
Rear hub nut	121	12.1	87.5
Wheel set nut (Front and Rear)	60	6.0	43.5
Front brake hose union bolt	23	2.3	16.5
Front brake air bleeder valve	6.0	0.6	4.3
Front brake caliper mounting bolt	26	2.6	19.0
Caliper holder pin	18	1.8	13.0
Caliper holder slide pin	23	2.3	16.5
Front brake pad mounting pin	18	1.8	13.0
Brake pipe flare nut	16	1.6	11.5
Front brake disc bolt	23	2.3	16.5
Brake master cylinder clamp bolt	10	1.0	7.0
Footrest mounting bolt (M8)	26	2.6	19.0
Footrest mounting bolt (M10)	55	5.5	40.0
Rear stabilizer joint nut	60	6.0	43.5
Rear shock absorber mounting nut (Upper and Lower)	60	6.0	43.5
Rear suspension arm pivot nut (Upper and Lower)	60	6.0	43.5
Rear knuckle end nut (Upper and Lower)	60	6.0	43.5
Rear brake cam lever nut	11	1.1	8.0
Rear brake case bolt	26	2.6	19.0
Brake lever pivot bolt (Front and Rear)	6	0.6	4.5
Brake lever pivot bolt lock-nut	6	0.6	4.5
Rear brake pedal pivot bolt	11	1.1	8.0
Trailer towing bolt	60	6.0	43.5
Gearshift gate cover mounting bolt	10	1.0	7.0

