ATV
2012 Model: LT-A500X/CL2
Date: March 2011

MSRP $7,799

Great Blue (YPW)

Flame Red (YT9)

Terra Green (YLG)

Key Features

1. 493cm3 fuel-injected 4-valve engine engineered for robust output throughout the rpm range, along with strong top-end power.

2. Fuel injection improves throttle response and fuel efficiency, while delivering power consistently and improving starting.

3. Efficient and functional fully automatic QuadMatic CVT (Continuously Variable Transmission), using a durable V-belt and centrifugal clutch.

4. Advanced engine-braking system helps the transmission control vehicle speed to minimize freewheel during descents.

5. Torque-sensing differential with three modes – 2WD, 4WD or differential-locked 4WD – easily selected with a handlebar-mounted button.

6. Fully independent suspension system - A-arm front and A-arm/I-beam rear -delivers superior riding comfort and versatile handling performance.

7. Shock absorbers at all four corners are adjustable for five different preload settings, providing maximum versatility for different loads.

8. Front dual hydraulic disc brakes and rear sealed oil-bathed multi-disc braking system deliver strong and consistent stopping performance.

9. 25-inch tires with tread and sidewall character specially designed for the machine, mounted on lightweight and sturdy aluminum rims.

10. Gate-style drive mode selector lever lets the rider easily and securely select between low, high, neutral or reverse setting.

11. Suzuki's exclusive T-shaped seat, designed for all-day comfort and easier body-weight transition during sporty trail rides.

12. Fuel tank positioned below the seat helps keep the machine's weight center low. The tank's ratcheting gas cap is easy to tighten.

13. Standard equipment including a tow hitch and a sealed 12V accessory outlet.

14. Two storage compartments: one easily accessible aft of the rider, and one with a spin-off top on the right front fender.

15. Complete gauge package, including a speedometer, odometer, separate trip meter, gear and differential displays, clock, fuel gauge, clock and more.

MSRP $8,199

Realtree Hardwoods HD Enhanced (YVA)

SPECIFICATIONS MODEL: LT-A500X/CL2

DIMENSIONS AND CURB MASS

Overall length..... 2115 mm (83.3 in).....P-28, 33
Overall width..... 1210 mm (47.6 in).....P-28, 33
Overall height..... 1245 mm (49.0 in)
Wheelbase..... 1285 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).....P-28, 33

ENGINE

Type..... 4-stroke, liquid-cooled, OHC
Number of cylinders..... 1
Bore..... 87.5 mm (3.445 in)
Stroke..... 82.0 mm (3.228 in)
Displacement..... 493 cm3 (30.1 cu. in)
Compression ratio..... 10.0 : 1
Fuel system..... Fuel injection
Air cleaner..... Paper element
Starter system..... Electric
Lubrication system..... Wet sump
Idle speed..... 1500 ± 100 r/min

DRIVE TRAIN

Clutch.....Wet shoe, automatic, centrifugal type
Transmission..... CVT (V-belt)
Transfer..... 2-speed forward with reverse
Gearshift pattern, Transmission..... Automatic
Transfer..... L-H-N-R (Hand operated)
Automatic transmission ratio..... 2.902 - 0.779 (Variable)
Secondary reduction ratio..... 2.603 (37/18 × 19/15)
Final reduction ratio (Front & Rear)..... 3.600 (36/10)
Transfer gear ratio, Low..... 2.562 (41/16)
High..... 1.240 (31/25)
Reverse..... 2.000 (32/16)
Drive system..... Shaft drive

CHASSIS

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-in..... 1.6 mm (0.06 in)
Camber..... -0.49°
Steering angle..... 46° (right & left)
Turning radius..... 3.1 m (10.2 ft)
Front brake..... Disc brake, twin
Rear brake..... Sealed oil-bathed multi-disc
Front tire..... AT25 × 8-12, tubeless
Rear tire..... AT25 × 10-12, tubeless

ELECTRICAL

Ignition type	Electronic ignition (CDI)
Ignition timing	7° B.T.D.C. at 1500 r/min
Spark plug	NGK CR6E or DENSO U20ESR-N
Battery	12V 64.8 kC (18 Ah)/10 HR
Generator	Three-phase A.C. generator
Main fuse	30A
Fuse	10/10/10/10/15/15A
Headlight	12V 35/35W × 2
Brake light/Taillight	12V 21/5W
Speedometer light	LED
Coolant temperature/FI indicator light	LED
Neutral indicator light	LED
Reverse indicator light	LED
Diff-lock indicator light	LED

CAPACITIES

Fuel tank	17.5 L (4.6/3.8 US/Imp gal)
Engine oil, oil change	2500 ml (2.6/2.2 US/Imp qt)
with filter change	2700 ml (2.9/2.4 US/Imp qt)
overhaul	3200 ml (3.4/2.8 US/Imp qt)
Differential gear oil	460 ml (15.6/16.2 US/Imp oz)
Final gear oil	770 ml (26.0/27.1 US/Imp oz)
Coolant	2.5 L (2.6/2.2 US/Imp qt)

Model: LT-A500XL2 P-17, 24, 28, 33
LT-A500XZL2 P-17, 28, 33

Date: July 25, 2011

SERVICE DATA

Valve + Valve Guide

Unit: mm (in)

Item	Standard		Limit
Valve diam.	IN.	30.6 (1.20)	—
	EX.	27.0 (1.06)	—
Valve clearance (When cold)	IN.	0.05 – 0.10 (0.002 – 0.004)	—
	EX.	0.17 – 0.22 (0.007 – 0.009)	—
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.	5.000 – 5.012 (0.1969 – 0.1973)	—
Valve stem O.D.	IN.	4.975 – 4.990 (0.1959 – 0.1965)	—
	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)
	EX.	33.47 – 33.52 (1.318 – 1.320)	33.17 (1.306)
Camshaft journal oil clearance	Camshaft end side	0.028 – 0.059 (0.0011 – 0.0023)	0.150 (0.0059)
	Other side	0.032 – 0.066 (0.0013 – 0.0026)	
Camshaft journal holder I.D.	Camshaft end side	17.512 – 17.525 (0.6894 – 0.6900)	—
	Other side	22.012 – 22.025 (0.8666 – 0.8671)	
Camshaft journal O.D.	Camshaft end side	17.466 – 17.484 (0.6876 – 0.6883)	—
	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)	Approx. 1 000 kPa (10.0 kgf/cm², 142 psi)			—
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) Measure 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)
	2nd	2R	Approx. 12.0 (0.47)	9.6 (0.38)
Piston ring end gap	1st	0.08 – 0.20 (0.003 – 0.008)		0.50 (0.020)
	2nd	2R	0.10 – 0.25 (0.004 – 0.010)	0.50 (0.020)
Piston ring-to-groove clearance	1st		—	0.180 (0.0071)
	2nd		—	0.150 (0.0059)
Piston ring groove width	1st		0.78 – 0.80 (0.0307 – 0.0315)	—
			1.30 – 1.32 (0.051 – 0.052)	—
	2nd		1.01 – 1.03 (0.040 – 0.041)	—
	Oil		2.51 – 2.53 (0.099 – 0.100)	—
Piston ring thickness	1st		0.71 – 0.76 (0.028 – 0.030)	—
			1.08 – 1.10 (0.0425 – 0.0433)	—
	2nd	2R	0.97 – 0.99 (0.038 – 0.039)	—
Piston pin bore I.D.	20.002 – 20.008 (0.7875 – 0.7877)			20.030 (0.7886)
Piston pin O.D.	19.992 – 20.000 (0.7871 – 0.7874)			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)	100 kPa (1.0 kgf/cm², 14.2 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 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		2.733 (41/19 x 19/15)	—
Final reduction ratio	Front	3.600 (36/10)	—
	Rear	3.600 (36/10)	—
Transfer gear ratio	Low	2.562 (41/16)	—
	High	1.240 (31/25)	—
	Reverse	2.000 (32/16)	—
Drive belt width		31.1 (1.22)	30.1 (1.18)
Movable driven face spring free length		200 (7.87)	190 (7.48)
Shift fork to groove clearance		0.10 – 0.30 (0.0040 – 0.0120)	0.50 (0.020)
Shift fork groove width	Reverse	5.50 – 5.60 (0.217 – 0.220)	—
	High	5.50 – 5.60 (0.217 – 0.220)	—
Shift fork thickness	Reverse	5.30 – 5.40 (0.209 – 0.213)	—
	High	5.30 – 5.40 (0.209 – 0.213)	—
Front/Rear output shaft bevel gear backlash		0.03 – 0.15 (0.001 – 0.006)	—
Front drive (differential) gear backlash		0.05 – 0.20 (0.002 – 0.008)	—
Final gear backlash		0.08 – 0.15 (0.003 – 0.006)	—
Front differential gear oil type		Hypoid gear oil SAE #90, API grade GL-5 or SAE 75 W-90	—
Final gear oil type		Mobil fluid 424 (or equivalent gear oil)	—
Front differential 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	Standard/Specification		Note
Thermostat valve opening temperature	80.5 – 83.5 °C (177 – 182 °F)		—
Thermostat valve lift	8 mm (0.31 in) and over at 95 °C (203 °F)		—
Radiator cap valve opening pressure	110 – 137.3 kPa (1.1 – 1.4 kgf/cm², 15.6 – 19.9 psi)		—
Cooling fan thermo-switch operating temperature	OFF → ON	Approx. 93 °C (199 °F)	—
	ON → OFF	Approx. 87 °C (189 °F)	—
Engine coolant type	Use an antifreeze/coolant compatible with aluminum radiator, mixed with distilled water only, at the ratio of 50:50.		—
Engine coolant capacity	Reservoir	250 ml (0.26/0.22 US/Imp qt)	—
	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	1.78 – 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	
	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	
	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	80 V and more		When cranking

Throttle Body

Item	Standard/Specification
Bore size	37 mm
I.D. No.	31H0
Idle r/min	1 500 ± 100 r/min
Throttle cable play	3 – 5 mm (0.1 – 0.2 in)

Electrical

Unit: mm (in)

Item			Standard/Specification		Note
Spark plug			Type	NGK: CR6E DENSO: U20ESR-N	
			Gap	0.7 – 0.8 (0.028 – 0.031)	
Spark performance			Over 8 (0.3) at 1 atm.		
Ignition coil resistance			Primary	0.1 – 0.6 Ω	Terminal – Ground
			Secondary	12 – 19 kΩ	Plug cap – Terminal
Generator coil resistance			0.1 – 1.0 Ω		
Generator Max. output			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 length			Standard	10 (0.39)	
			Limit	6.5 (0.26)	
Starter relay resistance			3 – 5 Ω		
Battery	Type designation		YTX20CH-BS		
	Capacity		12 V 64.8 kC (18 Ah)/10 HR		
Fuse size	Headlight	HI	10 A		
		LO	10 A		
	Power source		10 A		
	Ignition		15 A		
	Fuel		10 A		
	Fan		15 A		
	Main		30 A		
	EPS		40 A		

Wattage

Unit: W

Item		Standard/Specification	
		E-24, 28, 33	**E-17**
Headlight	HI	35 x 2	←
	LO	35 x 2	←
Brake/Tail light		21/5	←
Reversing light		—	21
Speedometer light		LED	←
High beam indicator light		—	LED
Neutral indicator light		LED	←
FI indicator light/Engine coolant temp. indicator light		LED	←
Reverse indicator light		LED	←
Differential lock indicator light		LED	←
EPS 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 (0.20)
Front brake disc runout	—	0.30 (0.012)
Front master cylinder bore	14.000 – 14.043 (0.5512 – 0.5529)	—
Front master cylinder piston diam.	13.957 – 13.984 (0.5495 – 0.5506)	—
Front brake caliper cylinder bore	33.960 – 34.010 (1.3370 – 1.3390)	—
Front brake caliper piston diam.	33.878 – 33.928 (1.3338 – 1.3357)	—
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-in (With 75 kg, 165 lbs)	1.6 mm (0.06)	—
Camber	–0.49 °	—
Caster	1.6 °	—

Tire

Unit: mm (in)

Item		Standard	Limit
Cold inflation tire pressure (Solo riding)	Front	35 kPa (0.35 kgf/cm², 5.1 psi)	—
	Rear	30 kPa (0.30 kgf/cm², 4.4 psi)	—
Tire size	Front	AT 25 x 8-12 ☆☆, tubeless	—
	Rear	AT 25 x 10-12 ☆☆, tubeless	—
Tire tread depth	Front	—	4.0 (0.16)
	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	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 type is recommended.	The others
Fuel tank capacity	17.5 L (4.6/3.8 US/Imp gal)	
Engine oil type	SAE 10 W-40, API SF/SG or SH/SJ with JASO MA	
Engine oil capacity	Change: 2 500 ml (2.6/2.2 US/Imp qt)	
	Filter change: 2 700 ml (2.9/2.4 US/Imp 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
Cylinder head bolt (M10)	Initial	25	2.5	18.0
	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		23	2.3	16.5
Muffler connect bolt		23	2.3	16.5
Muffler mounting bolt		23	2.3	16.5
Muffler end cover nut		11	1.1	8.0
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

Drive Train

Item	N·m	kgf-m	lbf-ft
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	8.1	0.81	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	65	6.5	47.0
Final gear case mounting bolt	65	6.5	47.0
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 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	5	0.5	3.5
Fuel pump retainer	35	3.5	25.5
ECT sensor	18	1.8	13.0
ISC valve screw	2	0.2	1.5

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	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
Steering shaft holder bolt	23	2.3	16.5
Steering shaft upper nut	120	12	87.0
Steering shaft bolt	26	2.6	19.0
Steering shaft lower nut	162	16.2	117.0
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	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 mounting 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
Rear brake pedal shaft nut	60	6.0	43.5
Rear brake pedal screw	4.5	0.45	3.0
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