

RENEGADE SERIES

ENGINE		
Engine type	570	ROTAX® 549, 4-stroke, 2 cylinders (V-twin), liquid cooled
	850	ROTAX 850, 4-stroke, 2 cylinders (V-twin), liquid cooled
	1000R	ROTAX 1010HO, 4-stroke, 2 cylinders (V-twin), liquid cooled
Valve train		4 valves/cylinder (mechanical adjustment), single over head camshaft (SOHC) with timing chain
Bore	570	84 mm (3.31 in)
	850	94 mm (3.7 in)
	1000R	91 mm (3.58 in)
Stroke	570	51.4 mm (2.02 in)
	850	61.5 mm (2.42 in)
	1000R	75 mm (2.95 in)
Displacement	570	570 cm ³ (34.8 in ³)
	850	854 cm ³ (52.1 in ³)
	1000R	976 cm ³ (59.6 in ³)
Compression ratio	570	10.3:1
	850	10.5:1
	1000R	10.6:1
Maximum HP RPM	570	7500 rpm
	850	7000 rpm
	1000R	7250 RPM
Exhaust system		Spark arrestor approved by USDA Forest Service
Air filter		Synthetic paper filter with foam
Intake valve opening	570	3° BTDC
	850	5° BTDC
	1000R	8° BTDC
Intake valve closing	570	34° ABDC
	850	45° ABDC
	1000R	57° ABDC
Exhaust valve opening	570	39° BBDC
	850	55° BBDC
	1000R	58° BBDC
Exhaust valve closing	570	2° BTDC
	850	5° ATDC
	1000R	2° ATDC
Valve clearance	Intake	0.06 mm to 0.14 mm (.0024 in to .0055 in)
	Exhaust	0.11 mm to 0.19 mm (.0043 in to .0075 in)

Subsection 01 (RENEGADE SERIES)

ENGINE				
Valve stem diameter	Intake	570	New	4.966 mm to 4.980 mm (.1955 in to .1961 in)
			Service limit	4.930 mm (.1941 in)
		850 1000R	New	5.472 mm to 5.486 mm (.2154 in to .216 in)
			Service limit	5.450 mm (.2146 in)
	Exhaust	570	New	4.956 mm to 4.970 mm (.1951 in to .1957 in)
			Service limit	4.930 mm (.1941 in)
		850 1000R	New	5.461 mm to 5.476 mm (.215 in to .2156 in)
			Service limit	5.440 mm (.2142 in)
Valve out of round		Intake and exhaust	New	0.005 mm (.0002 in)
			Service limit	0.06 mm (.0024 in)
Valve guide diameter	Intake and Exhaust	570	New	4.998 mm to 5.018 mm (.1968 in to .1976 in)
			Service limit	5.050 mm (.1988 in)
		850 1000R	New	5.506 mm to 5.518 mm (.2168 in to .2172 in)
			Service limit	5.568 mm (.2192 in)
Valve spring free length		570	New	40.81 mm (1.607 in)
		850 1000R	New	40.41 mm (1.591 in)
		All	Service limit	39.00 mm (1.535 in)
Valve seat contact width		Intake	New	1.05 mm to 1.35 mm (.041 in to .053 in)
			Service limit	1.8 mm (.071 in)
		Exhaust	New	1.25 mm to 1.55 mm (.049 in to .061 in)
			Service limit	2 mm (.079 in)
Rocker arm bore diameter			New	12.036 mm to 12.050 mm (.4739 in to .4744 in)
			Service limit	12.060 mm (.4748 in)
Rocker arm shaft diameter			New	12.000 mm to 12.018 mm (.4724 in to .4731 in)
			Service limit	11.990 mm (.472 in)
Piston diameter		570	New	83.950 mm to 83.966 mm (3.3051 in to 3.3057 in)
			Service limit	83.850 mm (3.3012 in)
		850	New	93.950 mm to 93.966 mm (3.6988 in to 3.6994 in)
			Service limit	93.900 mm (3.6969 in)
		1000R	New	90.950 mm to 90.966 mm (3.5807 in to 3.5813 in)
			Service limit	90.900 mm (3.5787 in)
Piston/cylinder clearance		570	New	0.057 mm to 0.087 mm (.0022 in to .0034 in)
			Service limit	0.130 mm (.0051 in)
		850 1000R	New	0.027 mm to 0.057 mm (.0011 in to .0022 in)
			Service limit	0.100 mm (.0039 in)

ENGINE					
Piston ring type			1 st	Upper compression ring, rectangular	
			2 nd	Lower compression ring, tapered face	
			3 rd	Oil scraper ring	
Ring end gap	Rectangular	570	New	0.10 mm to 0.30 mm (.004 in to .012 in)	
			Service limit	0.50 mm (.02 in)	
		850	New	0.20 mm to 0.35 mm (.008 in to .014 in)	
			Service limit	0.60 mm (.024 in)	
		1000R	New	0.20 mm to 0.40 mm (.008 in to .016 in)	
			Service limit	0.60 mm (.024 in)	
	Tapered face	570 850	New	0.35 mm to 0.55 mm (.014 in to .022 in)	
			Service limit	0.85 mm (.033 in)	
		1000R	New	0.20 mm to 0.40 mm (.008 in to .016 in)	
			Service limit	0.70 mm (.028 in)	
		Oil scraper ring	All	New	0.20 mm to 0.70 mm (.008 in to .028 in)
				Service limit	1.00 mm (.039 in)
Ring/piston groove clearance	Rectangular	570	New	0.025 mm to 0.070 mm (.001 in to .0028 in)	
			Service limit	0.10 mm (.0039 in)	
		850 1000R	New	0.03 mm to 0.07 mm (.0012 in to .0028 in)	
			Service limit	0.15 mm (.0059 in)	
	Tapered face	All	New	0.02 mm to 0.06 mm (.0008 in to .0024 in)	
			Service limit	0.15 mm (.0059 in)	
	Oil scraper ring	All	New	0.01 mm to 0.18 mm (.0004 in to .0071 in)	
			Service limit	0.25 mm (.0098 in)	
Cylinder bore		570	New	84.023 mm to 84.037 mm (3.308 in to 3.3085 in)	
		850		93.993 mm to 94.007 mm (3.7005 in to 3.7011 in)	
		1000R		90.993 mm to 91.007 mm (3.5824 in to 3.583 in)	
Cylinder taper			Maximum New	0.038 mm (.0015 in)	
			Service limit	0.090 mm (.0035 in)	
Cylinder out of round			Maximum New	0.015 mm (.0006 in)	
			Service limit	0.020 mm (.0008 in)	
Camshaft main bearing journal		Timing chain side	New	34.959 mm to 34.975 mm (1.3763 in to 1.377 in)	
			Service limit	34.950 mm (1.376 in)	
		Spark plug side	New	21.959 mm to 21.980 mm (.8645 in to .8654 in)	
			Service limit	21.950 mm (.8642 in)	
Camshaft main bearing journal bore		Timing chain side	New	35.000 mm to 35.025 mm (1.378 in to 1.3789 in)	
			Service limit	35.040 mm (1.3795 in)	
		Spark plug side	New	22.000 mm to 22.021 mm (.8661 in to .867 in)	
			Wear limit	22.040 mm (.8677 in)	

Subsection 01 (RENEGADE SERIES)

ENGINE				
Camshaft lobe	Intake valve	570	New	31.830 mm to 32.030 mm (1.2531 in to 1.261 in)
			Service limit	31.810 mm (1.2524 in)
		850	New	32.890 mm to 33.090 mm (1.2949 in to 1.3028 in)
			Service limit	32.870 mm (1.2941 in)
		1000R	New	32.960 mm to 33.160 mm (1.2976 in to 1.3055 in)
			Service limit	32.940 mm (1.2969 in)
	Exhaust valve	570	New	31.730 mm to 31.930 mm (1.2492 in to 1.2571 in)
			Service limit	31.710 mm (1.2484 in)
		850	New	32.950 mm to 33.150 mm (1.2972 in to 1.3051 in)
			Service limit	32.930 mm (1.2965 in)
		1000R	New	32.860 mm to 33.060 mm (1.2937 in to 1.3016 in)
			Service limit	32.840 mm (1.2929 in)
Crankshaft main bearing journal diameter (MAG/PTO side)			New	42.016 mm to 42.040 mm (1.6542 in to 1.6551 in)
			Service limit	42.000 mm (1.6535 in)
Crankshaft radial play (MAG/PTO side)			Service limit	0.07 mm (.0028 in)
Crankshaft bearing journal diameter (in PTO cover)			New	34.004 mm to 34.020 mm (1.3387 in to 1.3394 in)
			Service limit	33.998 mm (1.3385 in)
Crankshaft radial play (PTO cover bearing)			Service limit	0.10 mm (.0039 in)
Crankshaft axial play			New	0.200 mm to 0.500 mm (.0079 in to .0197 in)
			Service limit	0.600 mm (.0236 in)
Crankshaft pin diameter	570 850	New	40.001 mm to 40.025 mm (1.5748 in to 1.5758 in)	
		Service limit	39.990 mm (1.5744 in)	
	1000R	New	41.986 mm to 42.010 mm (1.653 in to 1.6539 in)	
		Service limit	41.967 mm (1.6522 in)	
Crankshaft deflection	MAG/PTO side	New	0.050 mm (.002 in)	
Crankcase plain bearing	MAG/PTO side	Service limit	42.100 mm (1.6575 in)	
PTO cover plain bearing			Service limit	34.120 mm (1.3433 in)
Connecting rod big end diameter	570 850	Service limit	40.100 mm (1.5787 in)	
	1000R		42.100 mm (1.6575 in)	
Connecting rod big end radial play			Service limit	0.09 mm (.0035 in)
Connecting rod big end axial play	570 850	New	0.200 mm to 0.500 mm (.008 in to .02 in)	
	1000R		0.250 mm to 0.550 mm (.0098 in to .0217 in)	
		570 850 1000R	Service limit	0.600 mm (.024 in)

ENGINE			
Connecting rod small end diameter	570 850	New	20.010 mm to 20.020 mm (.7878 in to .7882 in)
		Service limit	20.060 mm (.7898 in)
	1000R	New	22.010 mm to 22.020 mm (.8665 in to .8669 in)
		Service limit	22.050 mm (.8681 in)
Piston pin diameter	570 850	New	19.996 mm to 20.000 mm (.7872 in to .7874 in)
		Service limit	19.980 mm (.787 in)
	1000R	New	21.996 mm to 22.000 mm (.866 in to .866 in)
		Service limit	21.980 mm (.8654 in)
Connecting rod/piston pin clearance (radial play)		Service limit	0.080 mm (.0031 in)
LUBRICATION SYSTEM			
Type			Wet sump. Replaceable cartridge oil filter
Oil filter			BRP Rotax paper type, replaceable
Engine oil pressure		Minimum	300 kPa (44 PSI) at 6000 RPM
Engine oil	Capacity (oil change with filter)		2.0 L (2.1 qt (U.S. liq.))
	Recommended		For the summer season, use XPS 4-STROKE SYNTHETIC BLEND OIL (P/N 293 600 121). For the winter season, use XPS 4-STROKE SYNTHETIC OIL (P/N 293 600 112). If not available, use a 5W40 motor oil that meets the requirements for API service classification SG, SH or SJ
COOLING SYSTEM			
Coolant	Type		Ethyl glycol/water mix (50% coolant, 50% water). Use LONG LIFE ANTIFREEZE (P/N 219 702 685). or coolant specifically designed for aluminum engines
	Capacity	570	3.4 L (.9 U.S. gal.)
		850 1000R	3.5 L (.9 U.S. gal.)
Thermostat		Starts to open	65°C (149°F)
		Fully open	75°C (167°F)
Radiator cap opening pressure			110 kPa (16 PSI)
TRANSMISSION			
Type			CVT (Continuously Variable Transmission), sub-transmission with L/H/N/R/P, standard engine braking
Engagement RPM	570		1750 ± 100 RPM
	850 1000R		1650 ± 100 RPM
Drive belt width		Service limit	30.00 mm (1.181 in)
Governor cup roller outer diameter	New		13.80 mm to 14.00 mm (.543 in to .551 in)
	Service limit		13.20 mm (.52 in)
Governor cup roller inner diameter	New		8.025 mm to 8.175 mm (.316 in to .322 in)
	Service limit		9.000 mm (.354 in)

Subsection 01 (RENEGADE SERIES)

TRANSMISSION			
Centrifugal lever pivot bolt diameter		New	6.078 mm to 6.100 mm (.239 in to .24 in)
		Service limit	6.000 mm (.236 in)
Centrifugal lever bore diameter		New	6.035 mm to 6.078 mm (.2376 in to .2393 in)
		Service limit	6.200 mm (.244 in)
Drive pulley sliding half centrifugal lever pivot bolt bore diameter		New	6.113 mm to 6.171 mm (.241 in to .243 in)
		Service limit	6.300 mm (.248 in)
Drive pulley sliding half large bushing		New	55.000 mm to 55.040 mm (2.165 in to 2.167 in)
		Service limit	55.200 mm (2.173 in)
Drive pulley sliding half small bushing		New	32.000 mm to 32.040 mm (1.26 in to 1.261 in)
		Service limit	32.200 mm (1.268 in)
Drive pulley spring free length	570	Service limit	85 mm (3.346 in)
	850		95 mm (3.74 in)
	1000R		
Drive pulley spring free squareness		Service limit	4 mm (.157 in)
Spring sleeve length		New	9.2 mm to 9.4 mm (.362 in to .37 in)
		Service limit	9.0 mm (.354 in)
Driven pulley sliding half bushing		New	30.060 mm to 30.100 mm (1.183 in to 1.185 in)
		Service limit	30.200 mm (1.189 in)
Driven pulley sliding fixed bushing		New	30.060 mm to 30.100 mm (1.183 in to 1.185 in)
		Service limit	30.200 mm (1.189 in)
Torque gear on driven pulley		Service limit	7.500 mm (.295 in)
Cam width on top surface		Service limit	16.0 mm (.63 in)
Driven pulley sliding sheave - wear on cam contact surface		Service limit	1.0 mm (.039 in)
Driven pulley spring free length	570	Service limit	125 mm (4.921 in)
	850		
	1000R		
Driven pulley spring free squareness		Service limit	3.8 mm (.15 in)

GEARBOX WITH EXTERNAL SWITCHES			
Type		Dual range (HI-LO) with park, neutral and reverse	
Gear ratios	570	Angle drive sub-transmission	32/13 = 2.462
		High	38/28 = 1.357
		Low	46/20 = 2.300
		Reverse	31/14 = 2.214
	850	Angle drive sub-transmission	32/13 = 2.462
		High	34/29 = 1.173
		Low	46/20 = 2.300
		Reverse	31/14 = 2.214

GEARBOX WITH EXTERNAL SWITCHES			
Overall gear ratios	570	High	3.341
		Low	5.662
		Reverse	5,451
	850	High	2,886
		Low	5.662
		Reverse	5.451
Gearbox oil		Capacity	400 ml (13.5 U.S. oz)
		Recommended	XPS SYNTHETIC GEAR OIL (75W 140) (P/N 293 600 140) or a 75W140 API GL-5 synthetic gear oil
Output shaft backlash		New	0.10 mm to 0.20 mm (.004 in to .008 in)
		Service limit	0.25 mm (.01 in)
Coupling sleeve groove width		New	5.25 mm to 5.35 mm (.207 in to .211 in)
		Service limit	5.50 mm (.217 in)
Coupling fork claw thickness		New	4.95 mm to 5.05 mm (.195 in to .199 in)
		Service limit	4.80 mm (.189 in)
Shift fork claw thickness (high gear shift fork)		New	4.80 mm to 4.90 mm (.189 in to .193 in)
		Service limit	4.70 mm (.185 in)
Shift fork claw thickness (low and reverse gear shift fork)		New	5.10 mm to 5.20 mm (.201 in to .205 in)
		Service limit	5.0 mm (.197 in)
Shift fork pin diameter		New	6.92 mm to 6.97 mm (.272 in to .274 in)
		Service limit	6.85 mm (.27 in)
Width of shift fork engagement groove (low and reverse gear)		New	5.30 mm to 5.40 mm (.209 in to .213 in)
		Service limit	5.50 mm (.217 in)
Width of shift fork engagement groove (high gear)		New	5.00 mm to 5.10 mm (.197 in to .201 in)
		Service limit	5.20 mm (.205 in)
Diameter free pinions		New	29.000 mm to 29.013 mm (1.1417 in to 1.1422 in)
		Service limit	29.015 mm (1.1423 in)
Intermediate gear shaft		New	24.979 mm to 25.000 mm (.9834 in to .9843 in)
		Service limit	24.977 mm (.983 in)
Countershaft	MAG side	New	N.A.
		Service limit	17.990 mm (.7083 in)
	CVT side	New	N.A.
		Service limit	24.970 mm (.9831 in)
	Free pinion bearing	New	N.A.
		Service limit	24.970 mm (.9831 in)
Bevel gear shaft	Free pinion bearing	Service limit	24.984 mm (.9836 in)

Subsection 01 (RENEGADE SERIES)

GEARBOX WITH GBPS			
Type			Dual range (HI-LO) with park, neutral and reverse
Gear ratios	1000R	Angle drive sub-transmission	37/15 = 2.467
		Intermediate	45/44 = 1.023
		High	37/33 = 1.121
		Low	46/17 = 2.706
		Reverse	34/12 = 2.833
	1000R XMR	Angle drive sub-transmission	37/15 = 2.467
		Intermediate	45/44 = 1.023
		High	36/27 = 1.333
		Low	46/17 = 2.706
		Reverse	34/12 = 2.833
Overall gear ratios	1000R	High	2.829
		Low	6.826
		Reverse	7.148
	1000R XMR	High	3.364
		Low	6.826
		Reverse	7.148
Gearbox oil		Capacity	450 ml (15.22 U.S. oz)
		Recommended	XPS SYNTHETIC GEAR OIL (75W 140) (P/N 293 600 140) or a 75W140 API GL-5 synthetic gear oil
Coupling sleeve groove width		New	5.25 mm to 5.35 mm (.207 in to .211 in)
		Service limit	5.50 mm (.217 in)
Coupling fork claw thickness		New	4.95 mm to 5.05 mm (.195 in to .199 in)
		Service limit	4.80 mm (.189 in)
Shift fork claw thickness (high gear shift fork)		New	5.10 mm to 5.20 mm (.201 in to .205 in)
		Service limit	5.0 mm (.197 in)
Shift fork claw thickness (low and reverse gear shift fork)		New	5.10 mm to 5.20 mm (.201 in to .205 in)
		Service limit	5.0 mm (.197 in)
Width of shift fork engagement groove (low and reverse gear)		New	5.30 mm to 5.40 mm (.209 in to .213 in)
		Service limit	5.50 mm (.217 in)
Width of shift fork engagement groove (high gear)		New	5.30 mm to 5.40 mm (.209 in to .213 in)
		Service limit	5.50 mm (.217 in)
Diameter free pinions		New	29.000 mm to 29.013 mm (1.1417 in to 1.1422 in)
		Service limit	29.015 mm (1.1423 in)
Intermediate gear shaft		New	24.979 mm to 25.000 mm (.9834 in to .9843 in)
		Service limit	24.977 mm (.983 in)

GEARBOX WITH GBPS			
Countershaft	MAG side	New	19.977 mm to 19.990 mm (.7865 in to .787 in)
		Service limit	19.973 mm (.7863 in)
	CVT side	New	24.977 mm to 24.990 mm (.9833 in to .9839 in)
		Service limit	24.970 mm (.9831 in)
Main shaft	Free pinion bearing	New	24.987 mm to 25.000 mm (.9837 in to .9843 in)
		Service limit	24.984 mm (.9836 in)
	Bearing journal MAG/CVT side	New	16.980 mm to 16.991 mm (.6685 in to .6689 in)
		Service limit	16.976 mm (.6683 in)
ELECTRICAL SYSTEM			
Magneto generator output		Without DPS	400 W @ 6000 RPM
		With DPS	625 W @ 6000 RPM
Stator resistance (20°C (68°F))			0.15 to 0.30 Ω
Ignition system type			IDI (Inductive Discharge Ignition)
Ignition timing			Not adjustable
Spark plug	570	Quantity	2
		Make and type	NGK DCPR8E
		Gap	0.7 mm to 0.8 mm (.028 in to .031 in)
	850 1000R	Quantity	2
		Make and type	NGK LMAR8D-J
		Gap	0.7 mm to 0.9 mm (.028 in to .035 in)
Engine RPM limiter setting	All models	Forward	8000 rpm
		Reverse	15 km/h (9 MPH) (without override)
Battery		Type	Maintenance free
		Voltage	12 volts
		Nominal rating	18 A•h
		Power starter output	0.7 KW
Headlights		High	2 x 60 W (HB3)
		Low	2 x 60 W (HB3)
Taillights			2 x 5/21 W
Turn signal lights (CE models only)			4 x 10 W
Position lights (CE models only)			2 x 5 W
Licence plate light (CE models only)			1 x 10 W
Fuse links	Main	FL-1	16 gauge
	Fan Main accessories power	FL-2	16 gauge

Subsection 01 (RENEGADE SERIES)

ELECTRICAL SYSTEM			
Fuses in fuse box 1	Accessory relay control Brake lights relay control Communication connector (DB4) Gauge Brake relay DPS control	F4	5 A
	Ignition coils Fuel injectors Vehicle speed sensor	F5	5 A
	Engine control module power (ECM) Fan relay control	F6	5 A
	Position lights (Europe) Winch control 2W/4W control	F7	5 A
	ECM (wake up signal) Ignition switch	F8	5 A
	Fan motor	F9	25 A
	Clock Hazard lights Hazard/Signal lights/Horn (Europe)	F10	5 A
	Headlights power	F11	30 A
	Connector DC3 12 V power outlet Communication connector (DB6)	F12	15 A
	Connectors DC5 and DC6 Taillights License plate light	F14	15 A
	Fuel pump relay	F15	5 A
Fuse in fuse box 2	DPS motor	F3	40 A
FUEL SYSTEM			
Fuel delivery	570	Electronic Fuel Injection (EFI), 46 mm throttle body, 1 injector per cylinder	
	850 1000R	Electronic Fuel Injection (EFI), 54 mm throttle body, 1 injector per cylinder	
Fuel pump	Type	Electrical (in fuel tank)	
	Operating pressure	350 kPa $\pm$ 10 kPa (51 PSI $\pm$ 1 PSI)	
Idle speed			1400 rpm $\pm$ 50 (not adjustable)
Fuel	Type	Regular unleaded gasoline	
	Minimum octane rating	87 Pump Posted AKI (92 RON or 95 E10 RON)	
Fuel tank capacity			20.5 L (5.4 U.S. gal.)
Fuel remaining when low fuel light turns ON			$\pm$ 5 L (1.3 U.S. gal.)
DRIVE SYSTEM			
Drive system type		Selectable 2WD/4WD	
Front drive	STD	Visco-lok [†] front differential	
	X xc and X mr	Visco-lok [†] QE front differential	
Front drive ratio		3.6:1	

DRIVE SYSTEM		
Rear drive	STD and X xc	Straight bevel gear / Shaft driven final drive
	X mr	Spiral bevel gear / Shaft driven final drive
Rear drive ratio		3.6:1
Front differential oil	Capacity	500 ml (17 U.S. oz)
	Type	XPS SYNTHETIC GEAR OIL (75W 90) (P/N 293 600 043) or synthetic gear oil 75W90 API GL-5
Rear final drive oil	Capacity	250 ml (8.45 U.S. oz)
	Type	XPS SYNTHETIC GEAR OIL (75W 140) (P/N 293 600 140) or synthetic gear oil 75W140 API GL-5
CV joint grease		Castrol CV joint grease (P/N 293 550 062) or an equivalent
Propeller shaft grease		Propeller shaft grease (P/N 293 550 063) or an equivalent

STEERING		
Turning radius	STD and X xc	205.7 cm (81 in)
	X mr	2 940 mm (115.7 in)
Total toe (front wheels off ground)		0.1° to 0.5° toe-in
Camber angle (vehicle on ground)		0°
Tie-rod maximum length unengaged threads		348.5 mm (13.72 in)

FRONT SUSPENSION			
Suspension type			Double suspension-arm with dive-control geometry
Suspension travel	STD and X xc		215.9 mm (8.5 in)
	X mr		203.2 mm (8 in)
Shock absorber	X xc and X mr	Qty	2
		Type	HPG shock with piggy back reservoir and dual speed compression damping adjustments
	STD 570	Qty	2
		Type	Oil
	STD 850 and 1000R	Qty	2
		Type	HPG shock
Spring free length	STD 570		350 mm (13.78 in)
	All other models		320 mm (12.6 in)
Preload adjustment type	STD 570		5 positions cam
	All other models		Variable positions

REAR SUSPENSION			
Suspension type			Torsional Trailing arm Independant (TTI) with external sway bar
Suspension travel			227.5 mm (9 in)
Shock absorber	STD 570	Qty	2
		Type	Oil
	All other models	Qty	2
		Type	High pressure gas shock

Subsection 01 (RENEGADE SERIES)

REAR SUSPENSION		
Spring free length	STD 570	355.7 mm (14 in)
	STD 850 and 1000R	311 mm (12.24 in)
	X xc	321.6 mm (12.66 in)
	X mr	335.6 mm (13.21 in)
Preload adjustment type	STD 570	5 position cam
	All other models	Variable positions

BRAKES			
Front brake		Qty	2
		Type	214 mm cross drilled disc brakes with hydraulic twin-piston calipers
Rear brake	CE	Qty	1
	Except CE		2
	All	Type	214 mm cross drilled disc brake with hydraulic twin-piston caliper
Brake fluid		Capacity	340 ml (11.5 U.S. oz)
		Type	DOT 4
Caliper			Floating twin pistons (2 x 26 mm)
Brake pad material			Organic
Minimum brake pad thickness			1 mm (.04 in)
Minimum brake disc thickness			4.0 mm (.157 in)
Maximum brake disc warpage			0.2 mm (.01 in)

TIRES			
Pressure	Front	UP TO 164 kg (360 lb)	41.4 kPa (6 PSI)
		FROM 164 kg (360 lb) TO 235 kg (517 lb)	41.4 kPa (6 PSI)
	Rear	UP TO 164 kg (360 lb)	41.4 kPa (6 PSI)
		FROM 164 kg (360 lb) TO 235 kg (517 lb)	48.3 kPa (7 PSI)
Minimum tire thread depth			3 mm (.118 in)
Size	Front	STD and X xc	635 x 203 x 305 mm (25 x 8 x 12 in)
		X mr	762 x 229 x 355 mm (30 x 9 x 14 in)
	Rear	STD and X xc	635 x 254 x 305 mm (25 x 10 x 12 in)
		X mr	762 x 229 x 355 mm (30 x 9 x 14 in)

WHEELS			
Type		STD	Aluminium
		X xc and X mr	Aluminium beadlocks
Rim size	Front	STD and X xc	305 x 152 mm (12 x 6 in)
		X mr	355 x 165 mm (14 x 6.5 in)
	Rear	STD and X xc	305 x 191 (12 x 7.5 in)
		X mr	355 x 165 mm (14 x 6.5 in)
Wheel nut torque			100 N•m ± 10 N•m (74 lbf•ft ± 7 lbf•ft)

DIMENSIONS			
Overall length		STD and X xc	218.4 cm (86 in)
		X mr	210.8 cm (83 in)
Overall width		STD and X xc	116.8 cm (46 in)
		X mr	127 cm (50 in)
Overall height		STD and X xc	125 cm (49 in)
		X mr	142 cm (56 in)
Wheelbase			129.5 cm (51 in)
Wheel track	Front	STD and X xc	96.5 cm (38 in)
		X mr	103.5 cm (40.7 in)
	Rear	STD and X xc	91.4 cm (36 in)
		X mr	100 cm (39.4 in)
Ground clearance		STD and X xc	26.7 cm (11 in)
		X mr	31.8 cm (13 in)

WEIGHT AND LOADING CAPACITY			
Dry weight	STD and X xc	570 engine	279 kg (615 lb)
		850 engine	303 kg (668 lb)
		1000R engine	314 kg (692 lb)
	X mr	1000R engine	441 kg (972 lb)
Rear cargo area capacity			16 kg (35 lb)
Total vehicle load allowed (including driver, passenger, all other loads and added accessories)			141 kg (311 lb)
Towing capacity	Except CE version		590 kg (1,300 lb)
	CE version		135 kg (300 lb)
Tongue capacity	Except CE version		23 kg (50 lb)
	CE version		14 kg (30 lb)