



# FASTENER TORQUE SPECIFICATIONS

Correct tightening torque of threaded fasteners is very important to your safety. Always tighten fasteners to the correct torque. In case of a conflict between the instructions in this manual and information provided by a component manufacturer, consult with your dealer or the manufacturer's customer service representative for clarification. Bolts that are too tight can stretch and deform. Bolts that are too loose can move and fatigue. Either mistake can lead to a sudden failure of the bolt.

Always use a correctly calibrated torque wrench to tighten critical fasteners on your bike. Carefully follow the torque wrench manufacturer's instructions on the correct way to set and use the torque wrench for accurate results.

Please refer to the images below to better understand which parts to tighten to the recommended torque values below.

## RECOMMENDED TORQUE VALUES

FRAME			in-lbf	N*m
(1)	Frame dropout break	M6 (2-bolts)	62	7
(2)	Dropout (slider)	M6 attachment (2-bolts)	62	7
(3)		M5 tension adjustment bolts	53	6

SEATPOSTS			in-lbf	N*m
(4)	1-bolt head clamp (M8 bolt)	Alloy post	70	8
(5)	Tamper proof bolt	M5 (bottom of seat tube)	53	6

PEDALS			in-lbf	N*m
(6)	Pedal to crank interface	Composite, black	304	34.3
(7)		Aluminum, silver	304	34.3

CRANKS			in-lbf	N*m
(8)	Alloy	Square taper spindle	305	34.5
(9)	Bottom bracket	Threaded	442	49.9

STEMS			in-lbf	N*m
(10)	Stem at steer tube (2-bolt)	Alloy Ø28.6mm	53	6
(11)	Stem at handlebar (4-bolt)	Alloy Ø25.4mm	44	5

SHIFTERS			in-lbf	N*m
(12)	Sturmey Archer	TSC300X Rotary shifter	13	1.5

BRAKES			in-lbf	N*m
(13)	Sturmey Archer	BLS81 brake lever	62	7

WHEELS			in-lbf	N*m
(14)	Front axle	M9 Threaded axle	204	23
(15)	Rear axle	3/8", M10 Threaded axle	221	25

MISCELLANEOUS			in-lbf	N*m
(16)	Bell		13	1.5
(17)	Belt/Chain guard		53	6
(18)	Fender mounting bolts		53	6
(19)	Headset	Compression cap	53	6
(20)	Industrial basket	Fork crown (single bolt)	62	7
(21)		Fork crown bracket (M6 bolts)	62	7
(22)		Support bracket (bottom of basket)	62	7
(23)		Support bracket (dropout)	53	6
(24)	Kickstand		200	22.6
(25)	Reflector	Front basket	33	3.7
(26)		Rear seatpost reflector bracket	33	3.7

