


	<b>WARNING!</b> Specialized frames are compatible <b>ONLY</b> with forks that have a specific range of travel (see table). Use of different styled forks or forks with longer travel may result in catastrophic failure of the frame which may result in serious personal injury or death.
	<sup>2</sup> With the chainguide removed, a 36t chainring can be used.
	<b>WARNING!</b> While the 29 frame is generally compatible with tires up to 27.5 x 3.0 or 29 x 2.6, tire dimensions can vary depending on the manufacturer, and not all forks are designed to accept a larger tire. Always check with the fork manufacturer regarding required clearances.

### 13.3. BOLT SIZE / TOOLS / TORQUE SPECIFICATIONS

	<p><b>WARNING!</b> Correct tightening force on fasteners (nuts, bolts, screws) on your bicycle is important for your safety. If too little force is applied, the fastener may not hold securely. If too much force is applied, the fastener can strip threads, stretch, deform or break. Either way, incorrect tightening force can result in component failure, which can cause you to lose control and fall.</p> <p>Where indicated, ensure that each bolt is torqued to specification. After your first ride, and consistently thereafter, recheck the tightness of each bolt to ensure secure attachment of the components. The following is a summary of torque specifications in this manual:</p>
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#### GENERAL TORQUE SPECS:

LOCATION	TOOL	TORQUE (in-lbf)	TORQUE (Nm)
SEAT COLLAR	4mm HEX	45 <sup>3</sup>	5.1 <sup>3</sup>
STEM @ STEERER TUBE	4mm HEX	45	5.1
STEM @ HANDLEBAR	4mm HEX	45	5.1
CRANK BOLTS	8mm HEX	443	50
CHAINRING BOLTS	5mm HEX	89 <sup>4</sup>	10 <sup>4</sup>
SPIDER LOCKRING	Shimano BB-UN 98 / Park Tool BBT-18	443	50
REAR BRAKE GUIDE	2.5mm HEX	7	0.8
WATER BOTTLE BOSS	3mm HEX	25	2.8
12MM REAR AXLE	6mm HEX	133	15.0
DERAILLEUR HANGER	2.5mm HEX	7	0.8
CHAINSTAY PROTECTOR	T25 TORX	7	0.8
CARBON FRAME - HEAD TUBE EXIT PORT (mounting screw)	2mm HEX	7	0.8
CARBON FRAME - HEAD TUBE EXIT PORT (set screw)	1.5mm HEX	N/A	N/A
ALLOY FRAME - SIDE-ARM CABLE BATS	3mm HEX	9.5	1.0
ALLOY FRAME - HEAD TUBE HOUSING PORT	3mm HEX	9.5	1.0
BATTERY MOUNT	6mm HEX	55	6.2
DOWN TUBE BUMP STOP	T25 TORX	55	6.2
TCU DISPLAY	T10 TORX	7	0.8
MOTOR MOUNTS	6mm HEX	160	18
MOTOR COVER	3mm HEX	9.5	1.0
CHAINSTAY MOUNTED SENSOR	2.5mm HEX	18	2.0
SPEED SENSOR MAGNET	T25 TORX	55	6.2