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### **A Note About the Specs...**

At the time of printing, these specs were as accurate as possible. But like it says in the catalog:

*"Gary Fisher and LeMond bicycles are equipped with components from sources worldwide. Specifications are subject to change without notice."*

So if we changed a bike's headset for some reason, the steerer length listed may be incorrect. The information in these pages is not intended to replace good mechanical skills and practices, just to help good mechanics do their job.

### **A Note About the Format...**

Prior to each section of bicycles, we've listed some of the important things to remember in assembly and maintenance of these bikes. We've also tried to list some of the small parts not listed in the bicycle specifications pages.

Along with these specs and the bicycle pages, we've listed many Fisher part numbers shown in smaller italic print. These refer to an equivalent replacement part which may or may not be identical to original spec. If you want to make sure you're getting identical parts, either refer to your TCG catalog or ask your Fisher Inside Rep.

Any part number listed here with a slash '/' means that we're really showing you two part numbers. If 2 digits follow the slash, change the last 2 digits of the part number for the second part. For example, a pair of XTR shift/brake levers is listed as 61927/8, referring to both the left and right levers, having part numbers 61927 and 61928. If you only need one of these, identify the correct side before ordering. Part numbers with a dash '-' refer to a range of parts.

Items which do not have a part number listed were not carried by TCG at the time of printing. However, parts may be added to TCG stock at a later date. Always check with Customer Service regarding the status of parts you need.

# Joshua Info

## Assembly Details

### Seatposts

Joshuas require greasing of the seatposts. Joshuas are designed to accept 27.2 mm seat posts with a tolerance of 27.10 to 27.20 mm outer diameter. Measure the seatpost for conformity to this tolerance prior to installation.

A minimum length of seatpost must be inserted in the frame. The seatpost may be raised to this point without damaging the frame. For seat post binder bolts, tighten to 85-125 lb•in (9.6-14.1 NM).

### Special Torque Specs

Shock mounting bolts	LokTite 242	160-190 lb•in	18.1-21.5 NM
Pivot bolt (fixed side)	LokTite 290	95-115 lb•in	10.7-13.0 NM
Pivot bolt (removable side)	LokTite 242	95-115 lb•in	10.7-13.0 NM
Damping adjuster cable stop screw	LokTite 242	6 lb•in	1 NM
Derailleur hanger screws	LokTite 242	20-30 lb•in	2.3-3.4 NM

### Special Parts

		TCG Part #
Pivot axle assembly	Pivot axle, 2 bolts, 2 washers	64304
Pivot bearing set	Main cylinder bearing, 2 swingarm tophats	64305
Shock mount bolt set	Front bolt, rear bolt, 2 nuts, 2 washers, 2 star washers	64303
Rear shock mount cable guide		T950135
Remote damping adjuster, Suntour XC		T972926
Damping adjuster cable stop		T960187
Damping adj. stop screw		T960173
Seatpost bottle mount	2 clamps, 2 clamp bolts, 2 cage attachment screws	T950283
Derailleur hanger kit	Derailleur hanger, 2 screws	T960156

### Top Swing Front Derailleurs

When Shimano instituted the Top Swing front derailleur with its lowered band clamp, we had to redesign our Joshua bike rear triangle to accommodate it. Due to space constraints, the redesigned rear triangle will not work with older, high band clamp front derailleurs.

### Bottom Bracket

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads, especially when inserting into an aluminum bottom bracket shell.

### Replacing Pivot Bearings

Pivot bearings are held in place by the pivot assembly, but also with LokTite 290. To remove the bearings, after removing the axle drive them out with an appropriate punch (the right sized socket works great). Clean and prep the surfaces of the frame and new bearings with LokTite primer, being careful not to expose the bearing material or painted surfaces to the primer. LokTite Primer will damage the paint or remove lubrication in the bearing. Apply the LokTite, wipe off any excess after installing the bearings, and assemble the pivot. Allow to cure for 24 hours before riding.

<b>Main tubes</b>	Side butted aluminum	<b>24</b>	<b>34</b>	<b>46</b>
<b>Stays</b>	6061 T6 aluminum, TIG welded URT	<b>11</b>	57	81
<b>Fork</b>	Rock Shox Judy SL 80mm travel	<b>13</b>	48	69
<b>Rear shock</b>	Rock Shox Super Deluxe, 6.75 eye to eye, 1.5 travel, 5/8" F-7/8" R ends	<b>15</b>	42	59
<b>Headset</b>	Chris King NoThreadSet Aheadset, 25.4/34.0/30.0, 31.5 mm stack	<b>17</b>	37	52
<b>Handlebars</b>	Bontrager butted Ti, 125gm 25.4mm clamp diameter	<b>20</b>	31	45
<b>Stem</b>	Ti Ahead 40.0 mm steerer clamp ht	<b>23</b>	27	39
<b>Bar ends</b>	Bontrager Race Lite, magnesium	<b>26</b>	24	34
<b>Grips</b>	Fisher high density foam	<b>30</b>	21	30
<b>Shifters</b>	Shimano XTR RapidFire SL			
<b>Front derailleur</b>	Shimano XTR Top Swing Top pull, 34.9 mm/ 1 3/8"			
<b>Rear derailleur</b>	Shimano XTR SGS			
<b>Brakes</b>	Shimano XTR V brakes combination shift/brake			
<b>Brake levers</b>	Shimano XTR 46/34/24 Splined/112/64 mm bolt hole circle			
<b>Crankset</b>	Shimano BB-M950 73 x 116			
<b>Bottom bracket</b>	Time Atac, clipless 9/16" axle			
<b>Pedals</b>	Shimano XTR 11-30 8spd			
<b>Cassette</b>	Shimano IG90 106L length			
<b>Chain</b>				
<b>Front wheel</b>				
<b>Front hub</b>	T972634 White Industries Tracker, 6mm skewer			
<b>Front tire</b>	T970860 WTB Velociraptor Lazer, 120 tpi, Kevlar bead, 44/50			
<b>Rear wheel</b>				
<b>Rear hub</b>	T972635 White Industries Speed Racer Ti, HyperGlide Compact cassette, 8spd, 135 mm O.L.D.			
<b>Rear tire</b>	T970861 WTB Velociraptor Lazer, 120 tpi, Kevlar bead, 44/50			
<b>Tubes</b>	Ultra light Presta valve			
<b>Rims</b>	T960394 Mavic 217 SUP Velox, 22mm rim strip			
<b>Spokes</b>	DT 15/16G butted stainless, alloy nipples, 32 spokes/263 front/259/261 rear(D/ND)/3x			
<b>Saddle</b>	WTB SSTX, Ti rails, perforated leather cover			
<b>Seatpost</b>	58211 Synchros Ti 27.2 mm diameter			
<b>Seat binder</b>	F960761 Alloy w/bolt 35.5 (painted) clamp diameter			
<b>Additionals</b>	2 water bottle mounts, handlebar mounted remote damping adjuster			
<b>Colors</b>	Yellow and Red/ Yellow and Black fork• Yellow decals			
<b>Frame sizes</b>	S M L			
<b>Handlebar width</b>	580 580 580			
<b>Stem length</b>	T942076 T942076 T942076			
<b>Crank length</b>	90 135 150			
<b>Seatpost length</b>	T973648 T973649 T973650			
<b>Steerer, mm</b>	172.5 175 180			
<b>Head angle</b>	61314 61315 61317			
<b>Seat angle</b>	330 330 330			
<b>MM</b>	Standover 670 670 670			
	Seat tube 419 470 533			
	Head tube 125 125 145			
	Eff top tube 557 593 617			
	Reach 639 717 754			
	Chainstays 430 430 430			
	BB height 810 315 315			
	Offset 42 42 42			
	Trail 72 69 69			
	Wheelbase 1054 1079 1105			
<b>IN</b>	Standover 26.4 26.4 26.4			
	Seat tube 16.5 18.5 21.0			
	Head tube 4.9 4.9 5.7			
	Eff top tube 21.9 23.3 24.3			
	Reach 25.2 28.2 29.7			
	Chainstays 16.9 16.9 16.9			
	BB height 12.2 12.4 12.4			
	Offset 1.7 1.7 1.7			
	Trail 2.8 2.7 2.7			
	Wheelbase 41.5 42.5 43.5			

<b>Main tubes</b>	Side butted aluminum	<b>22</b>	<b>32</b>	<b>42</b>
<b>Stays</b>	6061 T6 aluminum, TIG welded URT	<b>11</b>	52	76 100
<b>Fork</b>	Rock Shox Judy SL 80mm travel	<b>13</b>	44	65 85
<b>Rear shock</b>	Rock Shox Super Deluxe, 6.75 eye to eye, 1.5 travel, 5/8" F-7/8" R ends	<b>15</b>	38	56 73
<b>Headset</b>	WTB GreaseGuard 25.4/34.0/30.0, 27.0 mm stack	<b>17</b>	34	49 65
<b>Handlebars</b>	Bontrager Titanium 25.4mm clamp diameter	<b>20</b>	29	42 55
<b>    Stem</b>	Bontrager Race Ahead Stem Quick Change, 44.5 mm steerer clamp ht	<b>23</b>	25	36 48
<b>    Bar ends</b>	Fisher FishFins	<b>26</b>	22	32 42
<b>    Grips</b>	GripShift ESP 900	<b>30</b>	19	28 37
<b>    Shifters</b>	GripShift ESP 900			
<b>Front derailleur</b>	Shimano Deore XT Top Swing, Top pull, 34.9 mm/ 1 3/8"			
<b>Rear derailleur</b>	GripShift ESP 9.0			
<b>Brakes</b>	Shimano Deore XT V brakes			
<b>Brake levers</b>	Shimano Deore XT V brake			
<b>Crankset</b>	Shimano Deore XT 4 arm 42/32/22, Splined/104/64 mm bolt hole circle			
<b>Bottom bracket</b>	Shimano BB-UN72 73 x 113			
<b>Pedals</b>	Shimano SPD M535, clipless 9/16" axle			
<b>Cassette</b>	Shimano XT 11-30 8 spd			
<b>Chain</b>	Shimano IG90 106L length			
<b>Front wheel</b>				
<b>    Front hub</b>	T972773 Fisher Ginz Pro suspension, 25.4mm ends, 6mm skewer			
<b>    Front tire</b>	T970852 WTB Velociraptor Lazer, 120 tpi, Kevlar bead, 44/50			
<b>Rear wheel</b>				
<b>    Rear hub</b>	973475 Shimano Deore XT HyperGlide Compact cassette, 8spd, 135 mm O.L.D.			
<b>    Rear tire</b>	61715 WTB Velociraptor Lazer, 120 tpi, Kevlar bead, 44/50			
<b>    Tubes</b>	T970853 Ultra light Presta valve			
<b>    Rims</b>	962510 Mavic 221 UB Velox, 22mm rim strip			
<b>    Spokes</b>	DT 15/16G butted stainless, alloy nipples, 32 spokes/265 front/263/265 rear(D/ND)/3x			
<b>    Saddle</b>	58211 WTB SSTX, Ti rails, perforated leather cover			
<b>    Seatpost</b>	F960761 PM501 alloy micro-adjust 27.2 mm diameter			
<b>    Seat binder</b>	Alloy w/bolt 35.5 (painted) clamp diameter			
<b>    Additionals</b>	2 water bottle mounts, handlebar mounted remote damping adjuster			
<b>    Colors</b>	Polished/ Yellow and Black fork • Yellow decals			
<b>Frame sizes</b>	S M L			
<b>Handlebar width</b>	560 560 560			
<b>Stem length</b>	57761 57761 57761			
<b>Crank length</b>	90 135 150			
<b>Seatpost length</b>	57710 57713 57714			
<b>Steerer, mm</b>	172.5 175 180			
<b>Head angle</b>	61301 61301 61301			
<b>Seat angle</b>	300 350 350			
<b>MM</b>	57801 57802 57802			
<b>Standover</b>	203 203 223			
<b>Seat tube</b>	70.7 71.2 71.2			
<b>Head tube</b>	74.6 73.8 73.7			
<b>Eff top tube</b>	670 670 670			
<b>Reach</b>	419 470 533			
<b>Chainstays</b>	125 125 145			
<b>BB height</b>	557 593 617			
<b>Offset</b>	638 715 752			
<b>Trail</b>	430 430 430			
<b>Wheelbase</b>	310 315 315			
<b>IN</b>	42 42 42			
<b>Standover</b>	72 69 69			
<b>Seat tube</b>	1054 1079 1105			
<b>Head tube</b>	26.4 26.4 26.4			
<b>Eff top tube</b>	16.5 18.5 21.0			
<b>Reach</b>	4.9 4.9 5.7			
<b>Chainstays</b>	21.9 23.3 24.3			
<b>BB height</b>	25.1 28.1 29.6			
<b>Offset</b>	16.9 16.9 16.9			
<b>Trail</b>	12.2 12.4 12.4			
<b>Wheelbase</b>	1.7 1.7 1.7			
	2.8 2.7 2.7			
	41.5 42.5 43.5			

<b>Main tubes</b>	Side butted aluminum	<b>20</b>	<b>32</b>	<b>42</b>
<b>Stays</b>	6061 T6 aluminum, TIG welded URT	<b>11</b>	<b>48</b>	<b>76</b>
<b>Fork</b>	Rock Shox Judy XC, alloy steerer, 80mm travel	<b>13</b>	<b>40</b>	<b>65</b>
<b>Rear shock</b>	Rock Shox Coupe Deluxe, 6.75 eye to eye, 1.5 travel, 5/8" F-7/8" R ends	<b>15</b>	<b>35</b>	<b>56</b>
<b>Headset</b>	Tange Seiki DX-2 Aheadset 25.4/34.0/30.0, 26.9 mm stack	<b>17</b>	<b>31</b>	<b>49</b>
<b>Handlebars</b>	Bontrager Race 25.4mm clamp diameter	<b>20</b>	<b>26</b>	<b>42</b>
<b>Stem</b>	Bontrager Race AheadStem Quick Change, 44.5 mm steerer clamp ht	<b>23</b>	<b>23</b>	<b>36</b>
<b>Bar ends</b>	Fisher FishFins	<b>26</b>	<b>20</b>	<b>32</b>
<b>Grips</b>	Fisher logo, Kraton	<b>30</b>	<b>17</b>	<b>28</b>
<b>Shifters</b>	Shimano Deore XT RapidFire SL			
<b>Front derailleur</b>	Shimano Deore LX Top Swing, Top pull, 34.9 mm/ 1 3/8"			
<b>Rear derailleur</b>	Shimano Deore XT SGS			
<b>Brakes</b>	Shimano M600 V brakes			
<b>Brake levers</b>	Shimano M600 V brake			
<b>Crankset</b>	Sugino Impel 700 42/32/20 58/94 mm bolt hole circle			
<b>Bottom bracket</b>	Shimano BB-UN51 73 x 113			
<b>Pedals</b>	Shimano SPD M535 clipless 9/16" axle			
<b>Cassette</b>	Shimano HG701 11-30 8spd			
<b>Chain</b>	Shimano IG70 106L length			
<b>Front wheel</b>				
<b>Front hub</b>	Fisher Ginzu Pro suspension, 25.4mm ends, 6mm skewer			
<b>Front tire</b>	WTB Velociraptor, Kevlar beads, 44/50			
<b>Rear wheel</b>				
<b>Rear hub</b>	Shimano Deore LX HyperGlide Compact cassette, 8spd, 135 mm O.L.D.			
<b>Rear tire</b>	WTB Velociraptor, Kevlar beads, 44/50			
<b>Tubes</b>	Ultra light Presta valve			
<b>Rims</b>	Mavic 221 Velox, 22mm rim strip			
<b>Spokes</b>	DT 15/16G butted stainless 32 spokes/265 front/263/265 rear(D/ND)/3x			
<b>Saddle</b>	WTB SSTX, CrMo rails, leather cover			
<b>Seatpost</b>	PM501 alloy micro-adjust 27.2 mm diameter			
<b>Seat binder</b>	Alloy w/bolt 35.5 (painted) clamp diameter			
<b>Additionals</b>	2 water bottle mounts, handlebar mounted remote damping adjuster			
<b>Colors</b>	Onyx Black/ Brushed rear/ Cream and Red fork• Red on Cream decals			
<b>Frame sizes</b>	S M L			
<b>Handlebar width</b>	560 560 560			
<b>Stem length</b>	57736 57736 57736			
<b>Crank length</b>	105 135 105			
<b>Seatpost length</b>	57711 57713 57714			
<b>Steerer, mm</b>	170 175 175			
<b>Head angle</b>	T970237 T970238 T970238			
<b>Seat angle</b>	300 350 350			
<b>MM</b>	57801 57802 57802			
<b>Standover</b>	202 202 222			
<b>Seat tube</b>	70.7 71.2 71.2			
<b>Head tube</b>	74.6 73.8 73.7			
<b>Eff top tube</b>				
<b>Reach</b>	670 670 670			
<b>Chainstays</b>	419 470 533			
<b>BB height</b>	125 125 145			
<b>Offset</b>	557 593 617			
<b>Trail</b>	638 715 712			
<b>Wheelbase</b>	430 430 430			
<b>IN</b>	310 315 315			
<b>Standover</b>	42 42 42			
<b>Seat tube</b>	72 69 69			
<b>Head tube</b>	1054 1079 1105			
<b>Eff top tube</b>				
<b>Reach</b>	26.4 26.4 26.4			
<b>Chainstays</b>	16.5 18.5 21.0			
<b>BB height</b>	4.9 4.9 5.7			
<b>Offset</b>	21.9 23.3 24.3			
<b>Trail</b>	25.1 28.1 28.0			
<b>Wheelbase</b>	16.9 16.9 16.9			

<b>Main tubes</b>	Side butted aluminum	<b>20</b>	<b>32</b>	<b>42</b>
<b>Stays</b>	6061 T6 aluminum, TIG welded URT	<b>11</b>	48	76 100
<b>Fork</b>	Rock Shox Indy SL 75mm travel	<b>13</b>	40	65 85
<b>Rear shock</b>	Rock Shox Deluxe, 6.75 eye to eye, 1.5 travel, 5/8" F-7/8" R ends	<b>15</b>	35	56 73
<b>Headset</b>	Tange Seiki STE Aheadset 25.4/34.0/30.0, 24.5 mm stack	<b>17</b>	31	49 65
<b>Handlebars</b>	System 1 ATB, alloy, 230g 25.4mm clamp diameter	<b>20</b>	26	42 55
<b>Stem</b>	Melt forged alloy Ahead stem, Quick Change, 41.0 mm steerer clamp ht	<b>23</b>	23	36 48
<b>Bar ends</b>	Fisher FishSticks	<b>26</b>	20	32 42
<b>Grips</b>	Foam	<b>30</b>	17	28 37
<b>Shifters</b>				
<b>Front derailleur</b>	Shimano Deore LX RapidFire SL			
<b>Rear derailleur</b>	Shimano STX Top Swing Top pull, 34.9 mm/ 1 3/8"			
<b>Brakes</b>	Shimano Deore LX SGS			
<b>Brake levers</b>	Shimano M600 V brakes			
<b>Crankset</b>	Tektro 375A V brake			
<b>Bottom bracket</b>	Sugino Impel 300 42/32/20 58/94 mm bolt hole circle			
<b>Pedals</b>	Shimano BB-LP26 73 x 113			
<b>Cassette</b>	Shimano SPD M535 clipless 9/16" axle			
<b>Chain</b>	Shimano HG608I 11-30 8spd			
<b>Front wheel</b>	IG31 106L length			
<b>Front hub</b>				
<b>Front tire</b>	Fisher Ginzu Pro suspension, 25.4mm ends, 6mm skewer			
<b>Rear wheel</b>	WTB Velociraptor. Kevlar beads, 44/50			
<b>Rear hub</b>				
<b>Rear tire</b>	Shimano STX-RC HyperGlide Compact cassette, 8spd, 135 mm O.L.D.			
<b>Tubes</b>	WTB Velociraptor, Kevlar beads, 44/50			
<b>Rims</b>	Ultra light Presta valve			
<b>Spokes</b>	Bontrager Maverick 542 E.R.D., Velox, 22mm rim strip			
<b>Saddle</b>	DT 15G stainless 32 spokes/265 front/263/265 rear(D/ND)/3x			
<b>Seatpost</b>	Bontrager Plus 10 Racing			
<b>Seat binder</b>	PM-312 alloy micro-adjust 27.2 mm diameter			
<b>Additionals</b>	Alloy w/bolt 35.5 (painted) clamp diameter			
<b>Colors</b>	2 water bottle mounts			
	Yellow/ Red rear/Yellow and Black fork• Black decals			
<b>Frame sizes</b>	S M L			
<b>Handlebar width</b>	560 560 560			
<b>Stem length</b>	57141 57141 57141			
<b>Crank length</b>	105 135 135			
<b>Seatpost length</b>	62118 62120 62120			
<b>Steerer, mm</b>	170 175 175			
<b>Head angle</b>	T970225 T970226 T970226			
<b>Seat angle</b>	300 350 350			
<b>MM</b>	57121 57121 57121			
<b>Standover</b>	196 196 216			
<b>Seat tube</b>	70.7 71.2 71.2			
<b>Head tube</b>	74.6 73.8 73.7			
<b>Eff top tube</b>				
<b>Reach</b>	670 670 670			
<b>Chainstays</b>	419 470 533			
<b>BB height</b>	125 125 145			
<b>Offset</b>	557 593 617			
<b>Trail</b>	631 705 729			
<b>Wheelbase</b>	430 430 430			
<b>IN</b>	310 315 315			
<b>Standover</b>	42 42 42			
<b>Seat tube</b>	72 69 69			
<b>Head tube</b>	1054 1079 1105			
<b>Eff top tube</b>				
<b>Reach</b>	26.4 26.4 26.4			
<b>Chainstays</b>	16.5 18.5 21.0			
<b>BB height</b>	4.9 4.9 5.7			
<b>Offset</b>	21.9 23.3 24.3			
<b>Trail</b>	24.9 27.8 28.7			
<b>Wheelbase</b>	16.9 16.9 16.9			
	12.2 12.4 12.4			
	1.7 1.7 1.7			
	2.8 2.7 2.7			
	41.5 42.5 43.5			

**Our Price: \$**

**JOSHUA X1**

<b>Main tubes</b>	Side butted aluminum	<b>24</b>	<b>34</b>	<b>42</b>
<b>Stays</b>	CroMoly URT	<b>11</b>	57	81
<b>Fork</b>	Manitou Pro	<b>13</b>	48	69
<b>Rear shock</b>	65mm travel	<b>16</b>	39	56
<b>Headset</b>	Rock Shox Deluxe, 6.75 eye to eye, 1.5 travel, 5/8" F-7/8" R ends	<b>19</b>	33	47
<b>Handlebars</b>	Tange Seiki STE Aheadset 25.4/34.0/30.0, 24.5 mm stack	<b>22</b>	29	41
<b>Stem</b>	System 1 ATB, alloy, 230g 25.4mm clamp diameter	<b>26</b>	24	34
<b>Bar ends</b>	Melt forged alloy Ahead stem, Quick Change, 41.0 mm steerer clamp ht	<b>30</b>	21	30
<b>Grips</b>	Fisher FishSticks			
<b>Shifters</b>	GripShift logo			
<b>Front derailleur</b>	GripShift ESP 500			
<b>Rear derailleur</b>	Shimano Alivio Top Swing Top pull, 34.9 mm/ 1 3/8"			
<b>Brakes</b>	63004			
<b>Brake levers</b>	Shimano M600 V brakes			
<b>Crankset</b>	61100/1			
<b>Bottom bracket</b>	Tektro 376A V brake			
<b>Pedals</b>	Sugino Impel 250 42/34/24 Riveted			
<b>Cassette</b>	Shimano BB-LP26 73 x 113			
<b>Chain</b>	57182			
<b>Front wheel</b>	Alloy cage w/clips and straps 9/16" axle			
<b>Front hub</b>	61228			
<b>Front tire</b>	Shimano IG50 11-30 7spd			
<b>Rear wheel</b>	61251			
<b>Rear hub</b>	IG31 106L length			
<b>Rear tire</b>				
<b>Tubes</b>				
<b>Rims</b>	973514			
<b>Spokes</b>	Fisher Ginzu Team suspension			
<b>Saddle</b>	T960103			
<b>Seatpost</b>	WTB Primal Raptor 26 x 2.1"			
<b>Seat binder</b>	970846			
<b>Additionals</b>	973515			
<b>Colors</b>	Shimano Alivio HyperGlide Compact cassette, 7spd, 135 mm O.L.D.			
<b>Frame sizes</b>	61659			
<b>Handlebar width</b>	WTB Primal Raptor 47/52			
<b>Stem length</b>	58201			
<b>Crank length</b>	970701/6			
<b>Seatpost length</b>	57141	S	M	L
<b>Steerer, mm</b>	57141	560	560	560
<b>Head angle</b>	105	57141	57141	57141
<b>Seat angle</b>	62118	105	135	135
<b>MM</b>	62118	62119	62119	62119
<b>Reach</b>	170	175	175	175
<b>Chainstays</b>	T970223	T970224	T970224	
<b>BB height</b>	300	350	350	
<b>Offset</b>	57121	57121	57121	
<b>Trail</b>	196	196	216	
<b>Wheelbase</b>	70.7	71.2	71.2	
<b>IN</b>	74.6	73.8	73.7	
<b>Standover</b>	670	670	670	
<b>Seat tube</b>	419	470	533	
<b>Head tube</b>	125	125	145	
<b>Eff top tube</b>	557	593	617	
<b>Reach</b>	631	705	729	
<b>Chainstays</b>	430	430	430	
<b>BB height</b>	310	315	315	
<b>Offset</b>	42	42	42	
<b>Trail</b>	72	69	69	
<b>Wheelbase</b>	1054	1079	1105	
<b>Standover</b>	26.4	26.4	26.4	
<b>Seat tube</b>	16.5	18.5	21.0	
<b>Head tube</b>	4.9	4.9	5.7	
<b>Eff top tube</b>	21.9	23.3	24.3	
<b>Reach</b>	24.9	27.8	28.7	
<b>Chainstays</b>	16.9	16.9	16.9	
<b>BB height</b>	12.2	12.4	12.4	
<b>Offset</b>	1.7	1.7	1.7	
<b>Trail</b>	2.8	2.7	2.7	
<b>Wheelbase</b>	41.5	42.5	43.5	



# Aluminum Mountain Info

## Assembly Details

### Seatposts

With aluminum mountain bikes lubricate the seatpost before insertion. Apply a thin layer of grease to the section of the seatpost that will be inserted into the frame. Insert the seatpost into the frame, adjust to the proper height, and engage the binder lever or bolt. Never engage the seatpost binder lever with the seatpost out of the frame.

Fisher aluminum mountain bikes are designed to accept 27.2 mm seat posts with a tolerance of 27.10 to 27.20 mm outer diameter. Measure the seatpost for conformity to this tolerance prior to installation.

For seat post binder bolts, tighten to 85-125 lb•in (9.6-14.1 NM).

### Special Torque Specs

ACSD mounting bolts	30-40 lb•in	(35-45 NM)
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### Special Parts

	TCG Part #
ACSD plate	942718
ACSD mounting bolts	81317

### Bottom bracket

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads, especially when inserting into an aluminum bottom bracket shell.

# SUPERCALIBER

Our Price: \$

			<b>22</b>	<b>32</b>	<b>42</b>
<b>Main tubes</b>		Easton 6061 T6 double butted aluminum alloy			
<b>Stays</b>		6061 T6 aluminum			
<b>Fork</b>		Manitou SX Ti	70mm travel		
<b>Headset</b>	T970282	WTB GreaseGuard	25.4/34.0/30.0, 27.0 mm stack		
<b>Handlebars</b>		Bontrager Titanium	25.4mm clamp diameter		
<b>Stem</b>	57786	Bontrager Race AheadStem Quick Change, 44.5 mm steerer clamp ht			
<b>Bar ends</b>	62533	Bontrager Race Lite, magnesium			
<b>Grips</b>	61924/15	Fisher high density foam			
<b>Shifters</b>	61447	Shimano Deore XT RapidFire SL			
<b>Front derailleur</b>	61503	Shimano Deore XT Top Swing, Top pull, 34.9 mm/ 1 3/8"			
<b>Rear derailleur</b>	61102/096	Shimano Deore XT SGS			
<b>Brakes</b>		Shimano Deore XT V brakes			
<b>Brake levers</b>		combination shift/brake			
<b>Crankset</b>	61038	Shimano Deore XT 4 arm 42/32/22, Splined/104/64 mm bolt hole circle			
<b>Bottom bracket</b>		Shimano BB-UN72	73 x 113		
<b>Pedals</b>		Shimano SPD M535 clipless	9/16" axle		
<b>Cassette</b>	61222	Shimano XT 11-30	8 spd		
<b>Chain</b>	61254	Shimano IG90	104L length		
<b>Front wheel</b>	973476				
<b>Front hub</b>	T972773	Fisher Ginzu Pro suspension, 25.4mm ends, 6mm skewer			
<b>Front tire</b>	T970860	WTB Velociraptor Lazer, Kevlar bead, 44/50			
<b>Rear wheel</b>	973475				
<b>Rear hub</b>	61715	Shimano Deore XT	HyperGlide Compact cassette, 8spd, 135 mm O.L.D.		
<b>Rear tire</b>	T970861	WTB Velociraptor Lazer, Kevlar bead, 44/50			
<b>Tubes</b>		Ultra light Presta valve			
<b>Rims</b>	T960394	Mavic 217 SUP	Velox, 22mm rim strip		
<b>Spokes</b>		DT 15/16G butted stainless, alloy nipples, 32 spokes/264 front/262/263 rear(D/ND)/3x			
<b>Saddle</b>	58211	WTB SSTX, Ti rails, perforated leather cover			
<b>Seatpost</b>		PM501 alloy micro-adjust	27.2 mm diameter		
<b>Seat binder</b>	F973708	Alloy w/bolt	35.0 clamp diameter		
<b>Additionals</b>		Rack mounts, 2 water bottle mounts, ACSD			
<b>Colors</b>		Team Fade- Red and Yellow/ Red fork• Black decals			
<b>Frame sizes</b>		S            M            L            XL			
<b>Handlebar width</b>		560            560            560            560			
<b>Stem length</b>		57761            57761            57761            57761			
<b>Crank length</b>		105            120            135            150			
<b>Seatpost length</b>		57711            57712            57713			
<b>Steerer, mm</b>		175            175            177.5            180			
<b>Head angle</b>		61301            61301            61301            61301			
<b>Seat angle</b>		350            350            350            350			
<b>MM</b>	<b>Standover</b>	57802            57802            57802            57802			
	<b>Seat tube</b>	167            182            202            222			
	<b>Head tube</b>	70.8            71.3            71.3            71.3			
	<b>Eff top tube</b>	73.8            73.8            73.3            73.3			
	<b>Reach</b>				
	<b>Chainstays</b>	721            759            787            820			
	<b>BB height</b>	394            444            483            533			
	<b>Offset</b>	90            105            125            145			
	<b>Trail</b>	553            569            584            597			
	<b>Wheelbase</b>	647            677            706            732			
<b>IN</b>	<b>Standover</b>	420            420            420            420			
	<b>Seat tube</b>	291            296            296            296			
	<b>Head tube</b>	38            38            38            38			
	<b>Eff top tube</b>	76            73            73            73			
	<b>Reach</b>	1030            1040            1053            1066			
	<b>Chainstays</b>				
	<b>BB height</b>	28.4            29.9            31.0            32.3			
	<b>Offset</b>	15.5            17.5            19.0            21.0			
	<b>Trail</b>	3.5            4.1            4.9            5.7			
	<b>Wheelbase</b>	21.8            22.4            23.0            23.5			
		25.5            26.7            27.8            28.8			
		16.5            16.5            16.5            16.5			
		11.5            11.7            11.7            11.7			
		1.5            1.5            1.5            1.5			
		3.0            2.9            2.9            2.9			
		40.6            40.9            41.5            42.0			

<b>Main tubes</b>		Easton 6061 T6 double butted aluminum alloy	<b>20</b>	<b>32</b>	<b>42</b>
<b>Stays</b>		6061 T6 aluminum	<b>11</b>	<b>48</b>	<b>76</b>
<b>Fork</b>		Rock Shox Indy SL	<b>13</b>	<b>40</b>	<b>65</b>
<b>Headset</b>	63334	Tange Seiki DX-2 Aheadset	<b>25.4/34.0/30.0,</b>	<b>26.9 mm stack</b>	<b>85</b>
<b>Handlebars</b>		Bontrager Race	<b>15</b>	<b>35</b>	<b>56</b>
<b>    Stem</b>		Cold forged alloy Ahead, Quick Change, 41.0 mm steerer clamp height	<b>17</b>	<b>31</b>	<b>49</b>
<b>    Bar ends</b>	57016	Fisher Fishfins	<b>20</b>	<b>26</b>	<b>42</b>
<b>    Grips</b>	62534	GripShift ESP 900	<b>23</b>	<b>23</b>	<b>36</b>
<b>    Shifters</b>	63022/8	GripShift ESP 700	<b>26</b>	<b>20</b>	<b>32</b>
<b>Front derailleur</b>	61447	Shimano Deore XT Top Swing, Top pull, 34.9 mm/ 1 3/8"	<b>30</b>	<b>17</b>	<b>28</b>
<b>Rear derailleur</b>	63003	GripShift ESP 7.0			
<b>Brakes</b>	61100/1	Shimano M600 V brakes			
<b>Brake levers</b>		Shimano M600 V brake			
<b>Crankset</b>		Sugino Impel 700 42/32/20	58/94 mm bolt hole circle		
<b>Bottom bracket</b>	61023	Shimano BB-UN51	73 x 113		
<b>Pedals</b>		Shimano SPD M535 clipless	9/16" axle		
<b>Cassette</b>	61205	Shimano HG701 11-30	8spd		
<b>Chain</b>	61253	Shimano IG70	104L length		
<b>Front wheel</b>	973478				
<b>    Front hub</b>	T960106	Fisher Ginzu Pro suspension, 25.4mm ends, 6mm skewer			
<b>    Front tire</b>	T970852	WTB Velociraptor, Kevlar bead, 44/50			
<b>    Rear wheel</b>	973477				
<b>    Rear hub</b>	61702	Shimano Deore LX	HyperGlide Compact cassette, 8spd, 135 mm O.L.D.		
<b>    Rear tire</b>	T970853	WTB Velociraptor, Kevlar bead, 44/50			
<b>    Tubes</b>		Ultra light Presta valve			
<b>    Rims</b>	T962510	Mavic 221	Velox, 22mm rim strip		
<b>    Spokes</b>		DT 15/16G butted stainless	32 spokes/265 front/263/265 rear(D/ND)/3x		
<b>    Saddle</b>	58208	Bontrager, hollow CrMo rails, leather cover			
<b>    Seatpost</b>		PM501 alloy micro-adjust	27.2 mm diameter		
<b>    Seat binder</b>	F960760	Alloy w/bolt	35.0 clamp diameter		
<b>    Additionals</b>		Rack mounts, 2 water bottle mounts, ACSD			
<b>    Colors</b>		Onyx Black/ Yellow and Black fork• Black on Yellow decals			
<b>Frame sizes</b>		S	M	L	XL
<b>Handlebar width</b>		560	560	560	560
<b>    </b>		57736	57736	57736	57736
<b>Stem length</b>		105	120	135	150
<b>    </b>		57083	57084	57085	57085
<b>Crank length</b>		170	175	175	175
<b>    </b>		T970237	T970238	T970238	T970238
<b>Seatpost length</b>		350	350	350	350
<b>    </b>		57802	57802	57802	57802
<b>Steerer, mm</b>		163	178	198	218
<b>Head angle</b>		70.8	71.3	71.3	71.3
<b>Seat angle</b>		73.8	73.8	73.3	73.3
<b>MM</b>	<b>Standover</b>	721	759	787	820
	<b>Seat tube</b>	394	444	483	533
	<b>Head tube</b>	90	105	125	145
	<b>Eff top tube</b>	553	569	584	597
	<b>Reach</b>	647	677	706	732
	<b>Chainstays</b>	420	420	420	420
	<b>BB height</b>	291	296	296	296
	<b>Offset</b>	38	38	38	38
	<b>Trail</b>	76	73	73	73
	<b>Wheelbase</b>	1030	1040	1053	1066
<b>IN</b>	<b>Standover</b>	28.4	29.9	31.0	32.3
	<b>Seat tube</b>	15.5	17.5	19.0	21.0
	<b>Head tube</b>	3.5	4.1	4.9	5.7
	<b>Eff top tube</b>	21.8	22.4	23.0	23.5
	<b>Reach</b>	25.5	26.7	27.8	28.8
	<b>Chainstays</b>	16.5	16.5	16.5	16.5
	<b>BB height</b>	11.5	11.7	11.7	11.7
	<b>Offset</b>	1.5	1.5	1.5	1.5
	<b>Trail</b>	3.0	2.9	2.9	2.9
	<b>Wheelbase</b>	40.6	40.9	41.5	42.0

<b>Main tubes</b>	6061 T6 aluminum alloy	<b>20</b>	<b>32</b>	<b>42</b>
<b>Stays</b>	6061 T6 aluminum	<b>11</b>	48	76 100
<b>Fork</b>	Manitou Pro 65mm travel	<b>13</b>	40	65 85
<b>Headset</b>	Tange Seiki DX-2 Aheadset 25.4/34.0/30.0, 26.9 mm stack	<b>15</b>	35	56 73
<b>Handlebars</b>	System 2 ATB, butted alloy, 170g, 25.4mm clamp diameter	<b>17</b>	31	49 65
<b>Stem</b>	Cold forged alloy Ahead, Quick Change, 41.0 mm steerer clamp ht	<b>20</b>	26	42 55
<b>Bar ends</b>	Fisher Fishsticks	<b>23</b>	23	36 48
<b>Grips</b>	Foam	<b>26</b>	20	32 42
<b>Shifters</b>	Shimano STX-RC RapidFire SL	<b>30</b>	17	28 37
<b>Front derailleur</b>	Shimano Deore XT Top Swing, Top pull, 34.9 mm/ 1 3/8"			
<b>Rear derailleur</b>	Shimano Deore XT SGS			
<b>Brakes</b>	Shimano M600 V brakes			
<b>Brake levers</b>	Tektro 375A V brake			
<b>Crankset</b>	Sugino Impel 500 42/32/20 58/94 mm bolt hole circle			
<b>Bottom bracket</b>	Shimano BB-UN51 73 x 113			
<b>Pedals</b>	Shimano SPD M535 clipless 9/16" axle			
<b>Cassette</b>	Shimano HG608I 11-30 8spd			
<b>Chain</b>	Shimano IG31 104L length			
<b>Front wheel</b>				
<b>Front hub</b>	T960103 Fisher Ginz Team suspension			
<b>Front tire</b>	T970846 WTB Primal Raptor 26 x 2.1"			
<b>Rear wheel</b>	973511			
<b>Rear hub</b>	61702 Shimano Deore LX HyperGlide Compact cassette, 8spd, 135 mm O.L.D.			
<b>Rear tire</b>	T970847 WTB Primal Raptor 47/52			
<b>Tubes</b>	Presta valve			
<b>Rims</b>	970701/6 Bontrager Maverick 542 E.R.D., Velox, 22mm rim strip			
<b>Spokes</b>	DT 15G stainless 32 spokes/265 front/263/265 rear(D/ND)/3x			
<b>Saddle</b>	58207 Bontrager Plus 10 Racing			
<b>Seatpost</b>	PM-312 alloy micro-adjust 27.2 mm diameter			
<b>Seat binder</b>	F960693 Alloy w/Fisher Spoon QR 35.5 (painted) clamp diameter			
<b>Additionals</b>	Rack mounts, 2 water bottle mounts, ACSD			
<b>Colors</b>	Bead Blast Silver/ Black fork• Purple decals			
<b>Frame sizes</b>	S M L XL			
<b>Handlebar width</b>	560 560 560 560			
<b>Stem length</b>	57141 57141 57141 57141			
<b>Crank length</b>	105 120 135 135			
<b>Seatpost length</b>	57083 57084 57085 57085			
<b>Steerer, mm</b>	170 175 175 175			
<b>Head angle</b>	T970237 T970238 T970238 T970238			
<b>Seat angle</b>	350 350 350 350			
<b>MM</b>	57121 57121 57121 57121			
<b>Standover</b>	164 179 199 219			
<b>Seat tube</b>	70.8 71.3 71.3 71.3			
<b>Head tube</b>	73.8 73.8 73.3 73.3			
<b>Eff top tube</b>				
<b>Reach</b>	721 759 787 820			
<b>Chainstays</b>	394 444 483 533			
<b>BB height</b>	90 105 125 145			
<b>Offset</b>	553 569 584 597			
<b>Trail</b>	645 674 702 715			
<b>Wheelbase</b>	420 420 420 420			
<b>IN</b>	291 296 296 296			
<b>Standover</b>	38 38 38 38			
<b>Seat tube</b>	76 73 73 73			
<b>Head tube</b>	1030 1040 1053 1066			
<b>Eff top tube</b>				
<b>Reach</b>	28.4 29.9 31.0 32.3			
<b>Chainstays</b>	15.5 17.5 19.0 21.0			
<b>BB height</b>	3.5 4.1 4.9 5.7			
<b>Offset</b>	21.8 22.4 23.0 23.5			
<b>Trail</b>	25.4 26.5 27.7 28.2			
<b>Wheelbase</b>	16.5 16.5 16.5 16.5			
	11.5 11.7 11.7 11.7			
	1.5 1.5 1.5 1.5			
	3.0 2.9 2.9 2.9			
	40.6 40.9 41.5 42.0			

<b>Main tubes</b>	6061 T6 aluminum		<b>24</b>	<b>34</b>	<b>42</b>
<b>Stays</b>	6061 T6 aluminum		<b>11</b>	57	81 100
<b>Fork</b>	Rock Shox Quadra 5	48mm travel	<b>13</b>	48	69 85
<b>Headset</b>	Tange Seiki STE Aheadset	25.4/34.0/30.0, 24.5 mm stack	<b>16</b>	39	56 69
<b>Handlebars</b>	System 1 ATB, alloy, 230g	25.4mm clamp diameter	<b>19</b>	33	47 58
<b>Stem</b>	Melt forged alloy Ahead stem, Quick Change, 41.0 mm steerer clamp ht		<b>22</b>	29	41 50
<b>Bar ends</b>			<b>26</b>	24	34 42
<b>Grips</b>	62534 GripShift logo		<b>30</b>	21	30 37
<b>Shifters</b>	6303618 GripShift SRT-400				
<b>Front derailleur</b>	61396 Shimano Alivio	Top pull, 34.9 mm/ 1 3/8"			
<b>Rear derailleur</b>	61497 Shimano Alivio				
<b>Brakes</b>	6108718 Shimano Alivio				
<b>Brake levers</b>	61080 Chang Star 274A				
<b>Crankset</b>	61003 Sugino Impel 250 42/34/24	Riveted			
<b>Bottom bracket</b>	Shimano BB-LP26	73 x 113			
<b>Pedals</b>	Steel cage w/clips and straps	9/16" axle			
<b>Cassette</b>	61228 Shimano IG50 11-30	7spd			
<b>Chain</b>	61251 IG31	104L length			
<b>Front wheel</b>	973514				
<b>Front hub</b>	T960101 System 1				
<b>Front tire</b>	T970846 WTB Primal Raptor	26 x 2.1"			
<b>Rear wheel</b>	973515				
<b>Rear hub</b>	61659 Shimano Alivio	HyperGlide Compact cassette, 7spd, 135 mm O.L.D.			
<b>Rear tire</b>	T970847 WTB Primal Raptor	47/52			
<b>Tubes</b>					
<b>Rims</b>	97070116 Bontrager Maverick	542 E.R.D., Velox, 22mm rim strip			
<b>Spokes</b>	DT 15G stainless	32 spokes/265 front/263/265 rear(D/ND)/3x			
<b>Saddle</b>	58201 Fisher SuperSoft Foam				
<b>Seatpost</b>	PM-312 alloy micro-adjust	27.2 mm diameter			
<b>Seat binder</b>	F973556 Alloy w/Fisher Spoon QR	35.5 clamp diameter			
<b>Additionals</b>					
<b>Colors</b>		Rack mounts, 2 water bottle mounts, ACSD			
		Matte Fren Green/ Black fork • Black on White decals			
<b>Frame sizes</b>					
<b>Handlebar width</b>	S 560	M 560	L 560	XL 560	
	57141	57141	57141	57141	
<b>Stem length</b>	105	120	135	135	
	62118	62119	62120	62120	
<b>Crank length</b>	170	175	175	175	
	T970223	T970224	T970224	T970224	
<b>Seatpost length</b>	350	350	350	350	
	57121	57121	57121	57121	
<b>Steerer, mm</b>	161	176	196	216	
<b>Head angle</b>	71.0	71.5	71.5	71.5	
<b>Seat angle</b>	74.0	74.0	73.5	73.5	
<b>MM</b>	Standover	721	759	787	820
	Seat tube	394	444	483	533
	Head tube	90	105	125	145
	Eff top tube	553	569	584	597
	Reach	640	674	703	716
	Chainstays	420	420	420	420
	BB height	290	295	295	295
	Offset	38	38	38	38
	Trail	74	71	71	71
	Wheelbase	1030	1040	1053	1066
<b>IN</b>	Standover	28.4	29.9	31.0	32.3
	Seat tube	15.5	17.5	19.0	21.0
	Head tube	3.5	4.1	4.9	5.7
	Eff top tube	21.8	22.4	23.0	23.5
	Reach	25.2	26.6	27.7	28.2
	Chainstays	16.5	16.5	16.5	16.5
	BB height	11.4	11.6	11.6	11.6
	Offset	1.5	1.5	1.5	1.5
	Trail	2.9	2.8	2.8	2.8
	Wheelbase	40.6	40.9	41.5	42.0

<b>Main tubes</b>	6061 T6 aluminum	<b>20</b>	<b>32</b>	<b>42</b>
<b>Stays</b>	6061 T6 aluminum	<b>11</b>	48	76 100
<b>Fork</b>	Rock Shox Indy C	<b>13</b>	40	65 85
<b>Headset</b>	63341 Tange Seiki STE Aheadset	<b>15</b>	35	56 73
<b>Handlebars</b>	System 1 ATB, alloy, 230g	<b>17</b>	31	49 65
<b>Stem</b>	Melt forged alloy Ahead stem, Quick Change, 41.0 mm steerer clamp ht	<b>20</b>	26	42 55
<b>Bar ends</b>	54238 Fisher Fishsticks	<b>23</b>	23	36 48
<b>Grips</b>	62534 GripShift logo	<b>26</b>	20	32 42
<b>Shifters</b>	63032/8 GripShift SRT-400 8 speed	<b>30</b>	17	28 37
<b>Front derailleur</b>	61409 Shimano STX Top Swing			
<b>Rear derailleur</b>	61500 Shimano STX SGS			
<b>Brakes</b>	61100/1 Shimano M600 V brakes			
<b>Brake levers</b>	62725 Tektro 376A V brake			
<b>Crankset</b>	61006 Sugino Impel 350 42/32/20	58/94 mm bolt hole circle		
<b>Bottom bracket</b>	Shimano BB-LP26	73 x 113		
<b>Pedals</b>	61205 Alloy cage w/clips and straps	9/16" axle		
<b>Cassette</b>	Shimano HG608I 11-30	8spd		
<b>Chain</b>	61251 IG31	104L length		
<b>Front wheel</b>	973154			
<b>Front hub</b>	T960103 Fisher Ginzu Team suspension			
<b>Front tire</b>	T970272 WTB Primal Raptor	26 x 2.1"		
<b>Rear wheel</b>	973153			
<b>Rear hub</b>	61684 Shimano STX-RC	HyperGlide Compact cassette, 8spd, 135 mm O.L.D.		
<b>Rear tire</b>	T970273 WTB Primal Raptor	47/52		
<b>Tubes</b>	Presta valve			
<b>Rims</b>	970701/6 Bontrager Maverick	542 E.R.D., Velox, 22mm rim strip		
<b>Spokes</b>	DT 15G stainless	32 spokes/265 front/263/265 rear(D/ND)/3x		
<b>Saddle</b>	58201 Bontrager Plus 10 Racing			
<b>Seatpost</b>	PM-312 alloy micro-adjust	27.2 mm diameter		
<b>Seat binder</b>	I960893 Alloy w/Fisher Spoon QR	35.5 clamp diameter		
<b>Additionals</b>		Rack mounts, 2 water bottle mounts, ACSD		
<b>Colors</b>		Matte Black/ Cream and Black fork• White decals		
<b>Frame sizes</b>	S M L XL			
<b>Handlebar width</b>	560 560 560 560			
<b>Stem length</b>	57141 57141 57141 57141			
<b>Crank length</b>	105 120 135 135			
<b>Seatpost length</b>	62118 62119 62100 62100			
<b>Steerer, mm</b>	170 175 175 175			
<b>Head angle</b>	T970229 T970230 T970230 T970230			
<b>Seat angle</b>	350 350 350 350			
<b>MM</b>	57121 57121 57121 57121			
<b>Standover</b>	161 176 196 216			
<b>Seat tube</b>	721 759 787 820			
<b>Head tube</b>	394 444 483 533			
<b>Eff top tube</b>	90 105 125 145			
<b>Reach</b>	553 569 584 597			
<b>Chainstays</b>	640 669 697 710			
<b>BB height</b>	420 420 420 420			
<b>Offset</b>	290 295 295 295			
<b>Trail</b>	38 38 38 38			
<b>Wheelbase</b>	74 71 71 71			
<b>IN</b>	1030 1040 1053 1066			
<b>Standover</b>	28.4 29.9 31.0 32.3			
<b>Seat tube</b>	15.5 17.5 19.0 21.0			
<b>Head tube</b>	3.5 4.1 4.9 5.7			
<b>Eff top tube</b>	21.8 22.4 23.0 23.5			
<b>Reach</b>	25.2 26.3 27.4 27.9			
<b>Chainstays</b>	16.5 16.5 16.5 16.5			
<b>BB height</b>	11.4 11.6 11.6 11.6			
<b>Offset</b>	1.5 1.5 1.5 1.5			
<b>Trail</b>	2.9 2.8 2.8 2.8			
<b>Wheelbase</b>	40.6 40.9 41.5 42.0			

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# Steel Mountain

## Assembly Details

### Seatposts

Lubricate the seatpost before insertion. Apply a thin layer of grease to the section of the seatpost that will be inserted into the frame. Insert the seatpost into the frame, adjust to the proper height, and engage the binder lever or bolt. Never engage the seatpost binder lever with the seatpost out of the frame.

Fisher steel mountain bikes are designed to accept 27.2 mm seatposts with a tolerance of 27.10 to 27.20 mm outer diameter (or in the case of Mamba and others using a 26.6 mm post; 26.6 mm +0/-0.1mm). Measure aftermarket seatposts for conformity to this tolerance prior to installation.

For seat post binder bolts, tighten to 85-125 lb•in (9.6-14.1 NM).

### Special Torque Specs

ACSD mounting bolts	30-40 lb•in (35-45 NM)
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### Special Parts

#### TCG Part #

ACSD plate	
ACSD mounting bolts	
BAU (Brake Actuator Unit)	T950695
Women's BAU	T940358

### Bottom bracket

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads.

<b>Main tubes</b>		Reynolds 853 double butted steel alloy		<b>20 32 42</b>
<b>Stays</b>		Cro-Moly		<b>11 48 76 100</b>
<b>Fork</b>		Rock Shox Judy XC	63mm travel	<b>13 40 65 85</b>
<b>Headset</b>	63334	Tange Seiki DX-2 Aheadset	25.4/34.0/30.0, 26.9 mm stack	<b>15 35 56 73</b>
<b>Handlebars</b>		Bontrager Race	25.4mm clamp diameter	<b>17 31 49 65</b>
<b>Stem</b>		Bontrager Race AheadStem Quick Change, 44.5 mm steerer clamp ht		<b>20 26 42 55</b>
<b>Bar ends</b>	57016	Fisher FishFins		<b>23 23 36 48</b>
<b>Grips</b>	62534	GripShift logo		<b>26 20 32 42</b>
<b>Shifters</b>	63009/29	GripShift SRT-800 X-Ray		<b>30 17 28 37</b>
<b>Front derailleur</b>	61430	Shimano Deore LX Top Swing, Top pull, 31.8 mm/ 1 1/4"		
<b>Rear derailleur</b>	61503	Shimano Deore XT SGS		
<b>Brakes</b>	61100/1	Shimano M600 V brakes		
<b>Brake levers</b>		Shimano M600 V brake		
<b>Crankset</b>		Sugino Impel 700 42/32/20	58/94 mm bolt hole circle	
<b>Bottom bracket</b>	61023	Shimano BB-UN51	73 x 113	
<b>Pedals</b>		Shimano SPD M535 clipless	9/16" axle	
<b>Cassette</b>	61205	Shimano HG701 11-30	8spd	
<b>Chain</b>	61253	Shimano IG70	104L length	
<b>Front wheel</b>	973478			
<b>Front hub</b>	T60106	Fisher Ginzu Pro suspension		
<b>Front tire</b>	T960852	WTB Velociraptor, Kevlar beads, 44/50		
<b>Rear wheel</b>	973447			
<b>Rear hub</b>	61702	Shimano Deore LX	HyperGlide Compact cassette, 8spd, 135 mm O.L.D.	
<b>Rear tire</b>	T960853	WTB Velociraptor, Kevlar beads, 44/50		
<b>Tubes</b>		Ultra light Presta valve		
<b>Rims</b>	T962510	Mavic 221	Velox, 22mm rim strip	
<b>Spokes</b>		DT 15/16G butted stainless	32 spokes/265 front/263/265 rear(D/ND)/3x	
<b>Saddle</b>	58208	Bontrager, CrMo rails, leather cover		
<b>Seatpost</b>		PM501 alloy micro-adjust	27.2 mm diameter	
<b>Seat binder</b>	F961814	Alloy w/bolt	35.5 (painted) clamp diameter	
<b>Additionals</b>		2 bottle mounts, Anti Chain Suck Device		
<b>Colors</b>		Cream/ Cream and Black fork• Black on Red decals		
<b>Frame sizes</b>		XS      S      M      L      XL		
<b>Handlebar width</b>		560     560     560     560     560		
<b>Stem length</b>		57736    57736    57736    57736    57736		
<b>Crank length</b>		90      105      120      135      150		
<b>Seatpost length</b>		57710    57711    57712    57713    57714		
<b>Steerer, mm</b>		170      170      175      175      175		
<b>Head angle</b>	T970237	T970237	T970238	T970238
<b>Seat angle</b>		350      350      350      350      350		
<b>MM</b>	<b>Standover</b>	57802    57802    57802    57802    57802		
	<b>Seat tube</b>	162      162      182      202      222		
	<b>Head tube</b>	70.3     70.8     71.3     71.3     71.3		
	<b>Eff top tube</b>	73.8     73.8     73.8     73.3     73.3		
	<b>Reach</b>			
	<b>Chainstays</b>			
	<b>BB height</b>			
	<b>Offset</b>			
	<b>Trail</b>			
	<b>Wheelbase</b>	1014    1027    1039    1050    1065		
<b>IN</b>	<b>Standover</b>	27.1    29.3    30.4    31.3    32.4		
	<b>Seat tube</b>	13.0    17.4    18.5    19.7    21.2		
	<b>Head tube</b>	3.3    3.3    4.1    4.9    5.7		
	<b>Eff top tube</b>	21.1    21.8    22.4    23.0    23.5		
	<b>Reach</b>	24.3    25.5    26.6    27.7    28.8		
	<b>Chainstays</b>	16.5    16.5    16.5    16.5    16.5		
	<b>BB height</b>	11.4    11.6    11.7    11.7    11.7		
	<b>Offset</b>	1.5    1.5    1.5    1.5    1.5		
	<b>Trail</b>	3.1    3.0    2.9    2.9    2.9		
	<b>Wheelbase</b>	39.9    40.4    40.9    41.3    41.9		

<b>Main tubes</b>	True Temper double butted Cro-Moly	<b>20</b>	<b>32</b>	<b>42</b>
<b>Stays</b>	Cro-Moly	<b>11</b>	48	76 100
<b>Fork</b>	Rock Shox Indy XC 63mm travel	<b>13</b>	40	65 85
<b>Headset</b>	Tange Seiki STE Aheadset 25.4/34.0/30.0, 24.5 mm stack	<b>15</b>	35	56 73
<b>Handlebars</b>	System 1 ATB, alloy, 230g 25.4mm clamp diameter	<b>17</b>	31	49 65
<b>Stem</b>	Melt forged alloy Ahead stem, Quick Change, 41.0 mm steerer clamp ht	<b>20</b>	26	42 55
<b>Bar ends</b>	Fisher Fishsticks	<b>23</b>	23	36 48
<b>Grips</b>	GripShift logo	<b>26</b>	20	32 42
<b>Shifters</b>	GripShift SRT-400 8 speed	<b>30</b>	17	28 37
<b>Front derailleur</b>	Shimano STX Top Swing			
<b>Rear derailleur</b>	Shimano STX-RC SGS			
<b>Brakes</b>	Shimano M600 V brakes			
<b>Brake levers</b>	Tektro 376A V brake			
<b>Crankset</b>	Sugino Impel 350 42/32/20 58/94 mm bolt hole circle			
<b>Bottom bracket</b>	Shimano BB-LP26 73 x 113			
<b>Pedals</b>	Alloy cage w/clips and straps 9/16" axle			
<b>Cassette</b>	Shimano HG608I 11-30 8spd			
<b>Chain</b>	IG31 104L length			
<b>Front wheel</b>				
<b>Front hub</b>	Fisher Ginzu Team suspension			
<b>Front tire</b>	WTB Primal Raptor 26 x 2.1"			
<b>Rear wheel</b>				
<b>Rear hub</b>	Shimano STX-RC HyperGlide Compact cassette, 8spd, 135 mm O.L.D.			
<b>Rear tire</b>	WTB Primal Raptor 47/52			
<b>Tubes</b>	Presta valve			
<b>Rims</b>	Bontrager Maverick 542 E.R.D., Velox, 22mm rim strip			
<b>Spokes</b>	DT 15G stainless 32 spokes/265 front/263/265 rear(D/ND)/3x			
<b>Saddle</b>	Bontrager Plus 10 Racing			
<b>Seatpost</b>	PM-312 alloy micro-adjust 27.2 mm diameter			
<b>Seat binder</b>	Alloy w/Fisher Spoon QR 31.8 clamp diameter			
<b>Additionals</b>	Rack mounts, 2 water bottle mounts			
<b>Colors</b>	Bloodshot Red/ Cream and Red fork• Cream decals			
<b>Frame sizes</b>				
<b>Handlebar width</b>	XS      S      M      L      XL			
	560    560    560    560    560			
	57141    57141    57141    57141    57141			
<b>Stem length</b>	90      105      120      135      135			
	62117    62118    62119    62120    62120			
<b>Crank length</b>	170      170      175      175      175			
	7970225    7970225    7970226    7970226    7970226			
<b>Seatpost length</b>	350      350      350      350      350			
	57121    57121    57121    57121    57121			
<b>Steerer, mm</b>	155      155      175      195      215			
<b>Head angle</b>	70.3      70.8      71.3      71.3      71.3			
<b>Seat angle</b>	73.8      73.8      73.8      73.3      73.3			
<b>MM</b>	689      745      771      795      824			
	330      441      470      501      539			
	85      85      105      125      145			
<b>Head tube</b>	537      554      568      583      597			
<b>Eff top tube</b>	611      641      668      695      709			
<b>Reach</b>	420      420      420      420      420			
<b>Chainstays</b>	289      294      296      296      296			
<b>BB height</b>	38      38      38      38      38			
<b>Offset</b>	79      76      73      73      73			
<b>Trail</b>	1014      1027      1039      1050      1065			
<b>IN</b>	27.1      29.3      30.4      31.3      32.4			
	13.0      17.4      18.5      19.7      21.2			
	3.3      3.3      4.1      4.9      5.7			
<b>Head tube</b>	21.1      21.8      22.4      23.0      23.5			
<b>Eff top tube</b>	24.1      25.2      26.3      27.4      27.9			
<b>Reach</b>	16.5      16.5      16.5      16.5      16.5			
<b>Chainstays</b>	11.4      11.6      11.7      11.7      11.7			
<b>BB height</b>	1.5      1.5      1.5      1.5      1.5			
<b>Offset</b>	3.1      3.0      2.9      2.9      2.9			
<b>Trail</b>	39.9      40.4      40.9      41.3      41.9			
<b>Wheelbase</b>				

<b>Main tubes</b>		True Temper double butted Cro-Moly			<b>20</b>	<b>32</b>	<b>42</b>
<b>Stays</b>		Cro-Moly			<b>11</b>	48	76
<b>Fork</b>		Butted Cro-Moly			<b>13</b>	40	65
<b>Headset</b>	63341	Tange Seiki STE Aheadset	25.4/34.0/30.0, 24.5 mm stack		<b>15</b>	35	56
<b>Handlebars</b>		System 1 ATB, alloy, 230g	25.4mm clamp diameter		<b>17</b>	31	49
<b>Stem</b>		Melt forged alloy Ahead stem, Quick Change, 41.0 mm steerer clamp ht			<b>20</b>	26	42
<b>Bar ends</b>	54238	Fisher Fishsticks			<b>23</b>	23	36
<b>Grips</b>	62534	GripShift logo			<b>26</b>	20	32
<b>Shifters</b>	63032/38	GripShift SRT-400 8 speed			<b>30</b>	17	28
<b>Front derailleur</b>	61408	Shimano STX Top Swing	Top pull, 31.8 mm/ 1 1/4"				
<b>Rear derailleur</b>	61500	Shimano STX-RC SGS					
<b>Brakes</b>	61100/1	Shimano M600 V brakes					
<b>Brake levers</b>	62725	Tektro 376A V brake					
<b>Crankset</b>		Sugino Impel 300 42/32/20	58/94 mm bolt hole circle				
<b>Bottom bracket</b>	61006	Shimano BB-LP26	73 x 113				
<b>Pedals</b>		Alloy cage w/clips and straps	9/16" axle				
<b>Cassette</b>	61205	Shimano HG608I 11-30	8spd				
<b>Chain</b>	61251	IG31	104L length				
<b>Front wheel</b>	973514						
<b>Front hub</b>	T960101	System 1					
<b>Front tire</b>	T970243	WTB Primal Raptor	26 x 2.1"				
<b>Rear wheel</b>	973513						
<b>Rear hub</b>	61684	Shimano STX-RC					
<b>Rear tire</b>	T970244	WTB Primal Raptor					
<b>Tubes</b>		Presta valve					
<b>Rims</b>	970701	Bontrager Maverick	542 E.R.D., Velox, 22mm rim strip				
<b>Spokes</b>		DT 15G stainless	32 spokes/265 front/263/265 rear(D/ND)/3x				
<b>Saddle</b>	58201	Bontrager Plus 10 Racing					
<b>Seatpost</b>		PM-312 alloy micro-adjust	27.2 mm diameter				
<b>Seat binder</b>	T960660	Alloy w/Fisher Spoon QR	31.8 clamp diameter				
<b>Additionals</b>		Rack mounts, 2 water bottle mounts					
<b>Colors</b>		Matte White Sand• Purple decals					
<b>Frame sizes</b>	XS	S	M	L	XL		
<b>Handlebar width</b>	560	560	560	560	560		
<b>Stem length</b>	57141	57141	57141	57141	57141		
<b>Crank length</b>	90	105	120	135	135		
<b>Seatpost length</b>	62117	62118	62119	62120	62120		
<b>Steerer, mm</b>	170	175	175	175	175		
<b>Head angle</b>	T970225	T970226	T970226	T970226	T970226		
<b>Seat angle</b>	350	350	350	350	350		
<b>MM</b>	57121	57121	57121	57121	57121		
<b>Standover</b>	155	155	175	195	215		
<b>Seat tube</b>	70.3	70.8	71.3	71.3	71.3		
<b>Head tube</b>	73.8	73.8	73.8	73.3	73.3		
<b>Eff top tube</b>							
<b>Reach</b>	689	745	771	795	824		
<b>Chainstays</b>	330	441	470	501	539		
<b>BB height</b>	85	85	105	125	145		
<b>Offset</b>	537	554	568	583	597		
<b>Trail</b>	611	641	668	695	709		
<b>Wheelbase</b>	420	420	420	420	420		
<b>IN</b>	289	294	296	296	296		
<b>Standover</b>	38	38	38	38	38		
<b>Seat tube</b>	79	76	73	73	73		
<b>Head tube</b>	1014	1027	1039	1050	1065		
<b>Eff top tube</b>							
<b>Reach</b>	27.1	29.3	30.4	31.3	32.4		
<b>Chainstays</b>	13.0	17.4	18.5	19.7	21.2		
<b>BB height</b>	3.3	3.3	4.1	4.9	5.7		
<b>Offset</b>	21.1	21.8	22.4	23.0	23.5		
<b>Trail</b>	24.1	25.2	26.3	27.4	27.9		
<b>Wheelbase</b>	16.5	16.5	16.5	16.5	16.5		
	11.4	11.6	11.7	11.7	11.7		
	1.5	1.5	1.5	1.5	1.5		
	3.1	3.0	2.9	2.9	2.9		
	39.9	40.4	40.9	41.3	41.9		

<b>Main tubes</b>	Double butted Cro-Moly	<b>24</b>	<b>34</b>	<b>42</b>
<b>Stays</b>	Cro-Moly	<b>11</b>	57	81
<b>Fork</b>	Rock Shox Quadra 5	<b>13</b>	48	69
<b>Headset</b>	Steel	<b>16</b>	39	56
<b>Handlebars</b>	Aluminum alloy	<b>19</b>	83	47
<b>Stem</b>	Cro-Moly ATB, Quick Change 25.4 mm insertion	<b>22</b>	29	41
<b>Bar ends</b>	Bonded aluminum	<b>26</b>	24	34
<b>Grips</b>	Kraton	<b>30</b>	21	30
<b>Shifters</b>	GripShift SRT-400			
<b>Front derailleur</b>	Shimano Alivio			
<b>Rear derailleur</b>	Shimano Alivio			
<b>Brakes</b>	Shimano Alivio			
<b>Brake levers</b>	Alloy			
<b>Crankset</b>	Shimano Alivio 42/34/24			
<b>Bottom bracket</b>	Shimano BB-LP26			
<b>Pedals</b>	57182			
<b>Cassette</b>	Steel cage, clips and straps			
<b>Chain</b>	61228			
<b>Front wheel</b>	Shimano IG51 11-30			
<b>Front hub</b>	61251			
<b>Front tire</b>	IG31			
<b>Rear wheel</b>	64179			
<b>Rear hub</b>	Alloy QR			
<b>Rear tire</b>	WTB PrimalRaptor			
<b>Tubes</b>	26 x 2.1			
<b>Rims</b>	61659			
<b>Spokes</b>	Shimano Alivio, sealed mechanism, HyperGlide Compact cassette, 7spd, 135 mm O.L.D.			
<b>Saddle</b>	7970271			
<b>Seatpost</b>	WTB PrimalRaptor			
<b>Seat binder</b>	47/52			
<b>Additionals</b>	Presta valve			
<b>Colors</b>	Weinmann 519			
	58358			
	15G stainless	545 E.R.D.,		
	58201	32 spokes/268 front/265/266 rear(D/ND)/3x		
	Fisher Supersoft foam			
	Micro-adjust, alloy	26.6 mm diameter		
	Kalloy M6 x 55 QR (T962846)			
	Matte Titanium/ Black fork • Black on Red decals			
<b>Frame sizes</b>	XS	S	M	L
<b>Handlebar width</b>	560	560	560	560
<b>Stem length</b>	57141	57141	57141	57141
<b>Crank length</b>	90	105	120	135
<b>Seatpost length</b>	57048	57049	57050	57051
<b>Steerer, mm</b>	170	170	175	175
<b>Head angle</b>	61278	61278	61279	61279
<b>Seat angle</b>	350	350	350	350
<b>MM</b>	57102	57102	57102	57102
<b>Standover</b>	119	139	159	179
<b>Seat tube</b>	71.0	71.0	71.5	71.5
<b>Head tube</b>	74.5	74.0	74.0	73.5
<b>Eff top tube</b>	1014	1025	1037	1048
<b>Reach</b>				
<b>Chainstays</b>	703	751	767	784
<b>BB height</b>	85	105	125	145
<b>Offset</b>	540	554	568	583
<b>Trail</b>	619	646	668	696
<b>Wheelbase</b>	420	420	420	420
<b>IN</b>	288	292	292	292
<b>Standover</b>	38	38	38	38
<b>Seat tube</b>	74	74	71	71
<b>Head tube</b>	1014	1025	1037	1048
<b>Eff top tube</b>				
<b>Reach</b>	3.3	4.1	4.9	5.7
<b>Chainstays</b>	21.3	21.8	22.4	23.0
<b>BB height</b>	24.4	25.4	26.3	27.4
<b>Offset</b>	16.5	16.5	16.5	16.5
<b>Trail</b>	11.3	11.5	11.5	11.5
<b>Wheelbase</b>	1.5	1.5	1.5	1.5
	2.9	2.9	2.8	2.8
	39.9	40.4	40.8	41.3
				41.9

<b>Main tubes</b>		Double butted Cro-Moly			<b>24</b>	<b>34</b>	<b>42</b>
<b>Stays</b>		Cro-Moly			<b>11</b>	<b>57</b>	<b>81</b>
<b>Fork</b>		Cro-Moly			<b>100</b>		
<b>Headset</b>	<i>T961304</i>	Steel	25.4/34.0/30.0, 35.0 mm stack		<b>13</b>	<b>48</b>	<b>85</b>
<b>Handlebars</b>		Aluminum alloy	25.4mm clamp diameter		<b>16</b>	<b>39</b>	<b>69</b>
<b>Stem</b>		Cro-Moly ATB	25.4 mm insertion		<b>19</b>	<b>33</b>	<b>58</b>
<b>Bar ends</b>					<b>22</b>	<b>29</b>	<b>50</b>
<b>Grips</b>	<i>62209</i>	Fisher Hex, Kraton			<b>26</b>	<b>24</b>	<b>42</b>
<b>Shifters</b>	<i>63036/8</i>	GripShift SRT-400			<b>30</b>	<b>21</b>	<b>37</b>
<b>Front derailleur</b>	<i>61394</i>	Shimano Alivio	Top pull, 28.6 mm/ 1 1/8"				
<b>Rear derailleur</b>	<i>61497</i>	Shimano Alivio					
<b>Brakes</b>	<i>61081/2</i>	Shimano Alivio					
<b>Brake levers</b>	<i>61080</i>	Alloy					
<b>Crankset</b>	<i>57182</i>	Shimano Alivio 42/34/24	67 mm bolt hole circle				
<b>Bottom bracket</b>	<i>61006</i>	Shimano BB-LP26	73 x 113				
<b>Pedals</b>		Steel cage w/clips and straps	9/16" axle				
<b>Cassette</b>	<i>61228</i>	Shimano IG51 11-30	7spd				
<b>Chain</b>	<i>61251</i>	IG31					
<b>Front wheel</b>	<i>64179</i>						
<b>Front hub</b>	<i>T962843</i>	Alloy QR					
<b>Front tire</b>	<i>T970210</i>	WTB PrimalRaptor	26 x 2.1				
<b>Rear wheel</b>	<i>64178</i>						
<b>Rear hub</b>	<i>61659</i>	Shimano Alivio, sealed mechanism, HyperGlide Compact cassette, 7spd, 135 mm O.L.D.					
<b>Rear tire</b>	<i>T970271</i>	WTB PrimalRaptor	47/52				
<b>Tubes</b>		Presta valve					
<b>Rims</b>	<i>58358</i>	Weinmann 519	545 E.R.D.,				
<b>Spokes</b>		15G stainless	36 spokes/268 front/266/267 rear(D/ND)/3x				
<b>Saddle</b>		Fisher Supersoft foam					
<b>Seatpost</b>	<i>58201</i>	SP-243 alloy micro-adjust	26.6 mm diameter				
<b>Seat binder</b>		Kalloy M6 x 55 QR (T962846)					
<b>Additionals</b>							
<b>Colors</b>		Matte Red • Gold decals					
<b>Frame sizes</b>		XS	S	M	L	XL	
<b>Handlebar width</b>		560	560	560	560	560	
<b>Stem length</b>		<i>57141</i>	<i>57141</i>	<i>57141</i>	<i>57141</i>	<i>57141</i>	
<b>Crank length</b>		90	105	120	135	150	
<b>Seatpost length</b>		<i>57048</i>	<i>57049</i>	<i>57050</i>	<i>57051</i>	<i>57052</i>	
<b>Steerer, mm</b>		170	170	175	175	175	
<b>Head angle</b>		<i>61278</i>	<i>61278</i>	<i>61279</i>	<i>61279</i>	<i>61279</i>	
<b>Seat angle</b>		300	350	350	350	350	
<b>MM</b>	<b>Standover</b>	57102	<i>57102</i>	<i>57102</i>	<i>57102</i>	<i>57102</i>	
	<b>Seat tube</b>	703	751	767	784	815	
	<b>Head tube</b>	85	105	125	145	165	
	<b>Eff top tube</b>	540	554	568	583	597	
	<b>Reach</b>	619	646	668	696	722	
	<b>Chainstays</b>	420	420	420	420	420	
	<b>BB height</b>	288	288	292	292	292	
	<b>Offset</b>	38	38	38	38	38	
	<b>Trail</b>	74	74	71	71	71	
	<b>Wheelbase</b>	1014	1025	1037	1048	1063	
<b>IN</b>	<b>Standover</b>	27.7	29.6	30.2	30.9	32.1	
	<b>Seat tube</b>	3.3	4.1	4.9	5.7	6.5	
	<b>Head tube</b>	21.3	21.8	22.4	23.0	23.5	
	<b>Eff top tube</b>	24.4	25.4	26.3	27.4	28.4	
	<b>Reach</b>	16.5	16.5	16.5	16.5	16.5	
	<b>Chainstays</b>	11.3	11.3	11.5	11.5	11.5	
	<b>BB height</b>	1.5	1.5	1.5	1.5	1.5	
	<b>Offset</b>	2.9	2.9	2.8	2.8	2.8	
	<b>Trail</b>	39.9	40.4	40.8	41.3	41.9	
	<b>Wheelbase</b>						

<b>Main tubes</b>	Cro-Moly		<b>24</b>	<b>34</b>	<b>42</b>
<b>Stays</b>	Cro-Moly		<b>11</b>	57	81 100
<b>Fork</b>	Cro-Moly		<b>13</b>	48	69 85
<b>Headset</b>	Steel	25.4/34.0/30.0, 35.0 mm stack	<b>15</b>	42	59 73
<b>Handlebars</b>	Steel	25.4mm clamp diameter	<b>18</b>	35	50 61
<b>Stem</b>	Steel ATB, Quick Change	25.4 mm insertion	<b>21</b>	30	42 52
<b>Bar ends</b>	-		<b>24</b>	26	37 46
<b>Grips</b>	Kraton		<b>28</b>	22	32 39
<b>Shifters</b>	GripShift SRT-400				
<b>Front derailleur</b>	Shimano Acera-X Top Swing	Top pull, 28.6 mm/ 1 1/8"			
<b>Rear derailleur</b>	Shimano Alivio				
<b>Brakes</b>	Shimano Acera-X				
<b>Brake levers</b>	Alloy				
<b>Crankset</b>	Shimano Acera-X 42/34/24	Riveted			
<b>Bottom bracket</b>	Shimano BB-LP26	73 x 113			
<b>Pedals</b>	Resin w/clips and straps	9/16" axle			
<b>Cassette</b>	Shimano HG30 11-28	7spd			
<b>Chain</b>	KMC HG50				
<b>Front wheel</b>					
<b>Front hub</b>	Alloy QR				
<b>Front tire</b>	WTB PrimalRaptor	26 x 2.1			
<b>Rear wheel</b>					
<b>Rear hub</b>	Shimano Acera-X	HyperGlide Compact cassette, 7spd, 135 mm O.L.D.			
<b>Rear tire</b>	WTB PrimalRaptor	47/52			
<b>Tubes</b>	Schraeder valve				
<b>Rims</b>	Weinmann 519	545 E.R.D.,			
<b>Spokes</b>	15G stainless	36 spokes/268 front/266/267 rear(D/ND)/3x			
<b>Saddle</b>	Fisher Supersoft foam				
<b>Seatpost</b>	Micro-adjust, alloy 26.6 mm diameter				
<b>Seat binder</b>	M6 x 55 QR (T962846)				
<b>Additionals</b>					
<b>Colors</b>	Black • White decals				
<b>Frame sizes</b>	Matte Fern Green				
<b>Handlebar width</b>	XS	S	M	L	XL
	560	560	560	560	560
	<b>57141</b>	<b>57141</b>	<b>57141</b>	<b>57141</b>	<b>57141</b>
<b>Stem length</b>	90	105	120	135	150
	<b>57048</b>	<b>57049</b>	<b>57050</b>	<b>57051</b>	<b>57052</b>
<b>Crank length</b>	170	170	175	175	175
	<b>61274</b>	<b>61274</b>	<b>61275</b>	<b>61275</b>	<b>61275</b>
<b>Seatpost length</b>	300	350	350	350	350
	<b>57201</b>	<b>57102</b>	<b>57102</b>	<b>57102</b>	<b>57102</b>
<b>Steerer, mm</b>	125	145	165	185	205
<b>Head angle</b>	71.0	71.0	71.5	71.5	71.5
<b>Seat angle</b>	74.5	74.0	74.0	73.5	73.5
<b>MM</b>	Standover	703	751	767	784
	Seat tube				815
	Head tube	85	105	125	145
	Eff top tube	540	554	568	583
	Reach	619	646	668	696
	Chainstays	420	420	420	420
	BB height	288	288	292	292
	Offset	38	38	38	38
	Trail	74	74	71	71
	Wheelbase	1014	1025	1037	1048
<b>IN</b>	Standover	27.7	29.6	30.2	30.9
	Seat tube				32.1
	Head tube	3.3	4.1	4.9	5.7
	Eff top tube	21.3	21.8	22.4	23.0
	Reach	24.4	25.4	26.3	27.4
	Chainstays	16.5	16.5	16.5	16.5
	BB height	11.3	11.3	11.5	11.5
	Offset	1.5	1.5	1.5	1.5
	Trail	2.9	2.9	2.8	2.8
	Wheelbase	39.9	40.4	40.8	41.3

**Our Price: \$**

**WAHOO**

<b>Main tubes</b>	Cro-Moly						<b>24 34 42</b>
<b>Stays</b>	High tensile steel						<b>11 57 81 100</b>
<b>Fork</b>	Cro-Moly						<b>13 48 69 85</b>
<b>Headset</b>	Steel	25.4/34.0/30.0, 35.0 mm stack					<b>15 42 59 73</b>
<b>Handlebars</b>	Steel	25.4mm clamp diameter					<b>18 35 50 61</b>
<b>Stem</b>	Steel ATB	25.4 mm insertion					<b>21 30 42 52</b>
<b>Bar ends</b>							<b>24 26 37 46</b>
<b>Grips</b>	Kraton						<b>28 22 32 39</b>
<b>Shifters</b>	62534 GripShift MRX170						
<b>Front derailleur</b>	61385 Shimano Altus CT92	Down pull, 28.6 mm/ 1 1/8"					
<b>Rear derailleur</b>	61495 Shimano Acera-X						
<b>Brakes</b>	61081/2 Shimano Altus CT91						
<b>Brake levers</b>	52111 Alloy						
<b>Crankset</b>	61273 Shimano Altus CT92 42/34/24, Riveted						
<b>Bottom bracket</b>	61000 Shimano BB-CT91	68 x 116					
<b>Pedals</b>	57182 ATB nylon	9/16" axle					
<b>Cassette</b>	61171 Shimano HG30 11-28	7spd					
<b>Chain</b>	53356 KMC UG50						
<b>Front wheel</b>	64179 Alloy QR						
<b>Front hub</b>	T960101 Kenda	26 x 1.95					
<b>Front tire</b>							
<b>Rear wheel</b>	64178 Shimano RM40	HyperGlide Compact cassette, 7spd, 135 mm O.L.D.					
<b>Rear hub</b>	Kenda	26 x 1.95					
<b>Rear tire</b>							
<b>Tubes</b>	Schraeder valve						
<b>Rims</b>	58357 Weinmann 519	545 E.R.D.,					
<b>Spokes</b>	15G UCP	36 spokes/265 front/261/263 rear(D/ND)/3x					
<b>Saddle</b>	58201 Fisher Supersoft foam						
<b>Seatpost</b>	Micro-adjust, alloy	26.6 mm diameter					
<b>Seat binder</b>	M6 x 55 QR						
<b>Additionals</b>	Gloss Copper• Purple decals						
<b>Colors</b>	Red						
<b>Frame sizes</b>	XS S M L XL SM-L LG-L						
<b>Handlebar width</b>	560 560 560 560 560 580 580						
<b>Stem length</b>	T55904 T55904 T55904 T55904 T55904 T55904 T55904						
<b>Crank length</b>	90 90 105 120 135 90 105						
<b>Seatpost length</b>	57076 57076 57077 57078 57079 57076 57077						
<b>Steerer, mm</b>	170 170 170 170 170 170 170						
<b>Head angle</b>	61273 61273 61273 61273 61273 61273 61273						
<b>Seat angle</b>	300 300 350 350 350 250 300						
<b>MM</b>	57102 57102 57102 57102 57102 57102 57102						
<b>Standover</b>	123 143 163 183 203 143 183						
<b>Seat tube</b>	71.0 71.0 71.5 71.5 71.5 71.0 71.5						
<b>Head tube</b>	74.5 74.0 74.0 73.5 73.5 74.0 73.5						
<b>Eff top tube</b>	1014 1025 1037 1048 1063 1019 1046						
<b>IN</b>							
<b>Standover</b>	27.7 29.6 30.2 30.9 32.1 25.2 26.0						
<b>Seat tube</b>	3.5 3.5 3.5 3.9 5.5 4.7 6.5						
<b>Head tube</b>	21.3 21.8 22.4 23.0 23.5 21.7 22.8						
<b>Eff top tube</b>	24.2 24.7 25.8 26.9 27.9 24.6 26.3						
<b>Reach</b>	16.5 16.5 16.5 16.5 16.5 16.5 16.5						
<b>Chainstays</b>	11.3 11.3 11.5 11.5 11.5 11.5 11.6						
<b>BB height</b>	1.5 1.5 1.5 1.5 1.5 1.5 1.5						
<b>Offset</b>	2.9 2.9 2.8 2.8 2.8 2.9 2.8						
<b>Trail</b>	39.9 40.4 40.8 41.3 41.9 40.1 41.2						
<b>Wheelbase</b>							

# KLUNKER

Our Price: \$

<b>Main tubes</b>	Cro-Moly	<b>22</b>	<b>32</b>	<b>42</b>
<b>Stays</b>	Cro-Moly	<b>11</b>	52	76 100
<b>Fork</b>	Cro-Moly	<b>13</b>	44	65 85
<b>Headset</b>	Steel	<b>15</b>	38	56 73
<b>Handlebars</b>	Aluminum alloy, retro bend	<b>18</b>	32	47 61
<b>Stem</b>	Alloy, forged	<b>21</b>	27	40 52
<b>Bar ends</b>	-	<b>24</b>	24	35 46
<b>Grips</b>	Fisher Hex, high density foam	<b>28</b>	21	30 39
<b>Shifters</b>	Shimano STX RapidFire+			
<b>Front derailleur</b>	Shimano STX Top Swing			
<b>Rear derailleur</b>	Shimano STX SGS			
<b>Brakes</b>	Shimano Acera-X combination shift/brake			
<b>Brake levers</b>	Shimano STX 42/32/22			
<b>Crankset</b>	Shimano BB-LP26			
<b>Bottom bracket</b>	Alloy w/CroMoly axles			
<b>Pedals</b>	Shimano IG50 11-28			
<b>Cassette</b>	IG31			
<b>Chain</b>				
<b>Front wheel</b>	Shimano STX			
<b>Front hub</b>	Duro knobby			
<b>Front tire</b>		26 x 2.1		
<b>Rear wheel</b>	Shimano STX			
<b>Rear hub</b>	Duro knobby			
<b>Rear tire</b>				
<b>Tubes</b>	Femco alloy			
<b>Rims</b>	14G stainless			
<b>Spokes</b>	36 spokes/264 front/262/263 rear(D/ND)/3x			
<b>Saddle</b>	Brooks B-17, leather, coil springs			
<b>Seatpost</b>	Micro-adjust, alloy, w/ double rail clamp 26.6 mm diameter			
<b>Seat binder</b>	Kalloy M6 x 55 QR			
<b>Additionals</b>	Nickel			
<b>Colors</b>				
<b>Frame sizes</b>	16.5			
<b>Handlebar width</b>	630			
<b>Stem length</b>	140			
<b>Crank length</b>	175			
<b>Seatpost length</b>	400			
<b>Steerer, mm</b>	162			
<b>Head angle</b>	68.0			
<b>Seat angle</b>	69.0			
<b>MM</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	766 120 597 663 477 303 64 66 1140		
<b>IN</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	30.2 4.7 23.5 26.1 18.8 11.9 2.5 2.6 44.9		

1

2

3

# SUBs

## Assembly Details

### Seatposts

Lubricate the seatpost before insertion. Apply a thin layer of grease to the section of the seatpost that will be inserted into the frame. Insert the seatpost into the frame, adjust to the proper height, and engage the binder lever or bolt. Never engage the seatpost binder lever with the seatpost out of the frame.

Aluminum, 3 Tube Carbon, and some steel hybrid bikes are designed to accept 27.2 mm seatposts with a tolerance of 27.10 to 27.20 mm outer diameter (or in the case of 730 and lower numbers; 26.6 mm +0/-0.1mm). Measure aftermarket seatposts for conformity to this tolerance prior to installation.

For seat post binder bolts, tighten to 85-125 lb•in (9.6-14.1 NM).

### Special Parts

	Part #
BAU (Brake Actuator Unit)	T950695
Women's BAU	T940358

### Bottom bracket

Be sure bottom bracket threads are clean and well greased before insertion. Failure to do so may cause galling of the threads, especially when inserting into an aluminum bottom bracket shell.

<b>Main tubes</b>	TIG welded aluminum alloy	<b>24</b>	<b>36</b>	<b>46</b>
<b>Stays</b>		<b>11</b>	57	85 109
<b>Fork</b>	Cro-Moly	<b>13</b>	48	72 92
<b>Headset</b>	VP H913W	<b>16</b>	39	59 75
<b>Handlebars</b>	Alloy Arc	<b>19</b>	33	49 63
<b>Stem</b>	CroMoly ATB, Quick Change	<b>22</b>	28	43 55
<b>Bar ends</b>	-	<b>26</b>	24	36 46
<b>Grips</b>	GripShift logo	<b>30</b>	21	31 40
<b>Shifters</b>	GripShift SRT-400			
<b>Front derailleur</b>	Shimano STX Top Swing			
<b>Rear derailleur</b>	Shimano STX SGS			
<b>Brakes</b>	Shimano Alivio			
<b>Brake levers</b>	Shimano Alivio			
<b>Crankset</b>	Sugino Fuse 500 Comp 46/36/24, 58/94 mm bolt hole circle			
<b>Bottom bracket</b>	Shimano BB-UN52			
<b>Pedals</b>	73 x 118			
<b>Cassette</b>	Alloy cage w/clips and straps			
<b>Chain</b>	9/16" axle			
<b>Front wheel</b>	Shimano IG50 11-30			
<b>Front hub</b>	7spd			
<b>Front tire</b>	IG31			
<b>Rear wheel</b>	106L length			
<b>Rear hub</b>				
<b>Rear tire</b>				
<b>Tubes</b>				
<b>Rims</b>				
<b>Spokes</b>				
<b>Saddle</b>				
<b>Seatpost</b>				
<b>Seat binder</b>				
<b>Additionals</b>				
<b>Colors</b>	Red Earth • Gold on White decals			
<b>Frame sizes</b>	S M L XL			
<b>Handlebar width</b>	580 580 580 580			
<b>Stem length</b>	62116 62116 62116 62116			
<b>Crank length</b>	105 120 135 150			
<b>Seatpost length</b>	62378 62379 62380 62381			
<b>Steerer, mm</b>	170 175 175 175			
<b>Head angle</b>	T960359 T960359 T960359			
<b>Seat angle</b>	350 350 350 350			
<b>MM</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	703 739 767 800 90 105 125 145 548 564 579 591 662 564 579 591 420 420 420 420 290 295 295 295 45 45 45 45 55 53 53 53 1023 1036 1046 1061		
<b>IN</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	27.7 29.1 30.2 31.5 3.5 4.1 4.9 5.7 21.6 22.2 22.8 23.3 26.1 22.2 22.8 23.3 16.5 16.5 16.5 16.5 11.4 11.6 11.6 11.6 1.8 1.8 1.8 1.8 2.2 2.1 2.1 2.1 40.3 40.8 41.2 41.8		

<b>Main tubes</b>	Cro-Moly			34
<b>Stays</b>				35
<b>Fork</b>	Cro-Moly			41
<b>Headset</b>	VP H913W	25.4/34.0/30.0, 34.0 mm stack		46
<b>Handlebars</b>	Alloy Arc	25.4mm clamp diameter		46
<b>Stem</b>	Cro-Moly, Quick Change	25.4 mm insertion		54
<b>Bar ends</b>	-			63
<b>Grips</b>	Foam			74
<b>Shifters</b>	T972934 Shimano Nexus			85
<b>Front derailleur</b>				
<b>Rear derailleur</b>				
<b>Brakes</b>	61081 Shimano Nexus Roller Disc rear (T972721), Altus CT91 front			
<b>Brake levers</b>	Chang Star 274A			
<b>Crankset</b>	61001 Sugino 34T	Riveted		
<b>Bottom bracket</b>	Shimano BB-CT91	73 x 121		
<b>Pedals</b>	52111 Dual Density	9/16" axle		
<b>Cassette</b>	16T			
<b>Chain</b>	54006 Sachs TM20	96L length		
<b>Front wheel</b>	60936			
<b>Front hub</b>	T942911 Alloy, sealed			
<b>Front tire</b>	T960315 Tioga City Slicker II	26 x 1.5"		
<b>Rear wheel</b>				
<b>Rear hub</b>	57619 Shimano Nexus 7 speed	Nexus rear, bolted front & rear, 135 mm O.L.D.		
<b>Rear tire</b>	T960315 Tioga City Slicker II	26 x 1.5"		
<b>Tubes</b>	Schraeder valve			
<b>Rims</b>	58357 Weinmann 519	545 E.R.D.,		
<b>Spokes</b>	DT 15G stainless	36 spokes/266 front/269/270 rear(D/ND)/3x		
<b>Saddle</b>	58201 Fisher SuperSoft Foam			
<b>Seatpost</b>	SP-242 alloy micro-adjust	26.6 mm diameter		
<b>Seat binder</b>	Quick release (F962846)			
<b>Additionals</b>	Rack mounts, 2 water bottle mounts, chainguard			
<b>Colors</b>	Onyx Black • Silver decals			
<b>Frame sizes</b>	S M L XL S-L			
<b>Handlebar width</b>	580 580 580 580 580			
<b>Stem length</b>	62116 62116 62116 62116 62116			
<b>Crank length</b>	105 120 135 150 105			
<b>Seatpost length</b>	62380 62379 62380 62381 62378			
<b>Steerer, mm</b>	170 175 175 175 170			
<b>Head angle</b>	T972688 T972689 T972689 T972689			
<b>Seat angle</b>	300 350 350 350 300			
<b>MM</b>	57117 57117 57117 57117 57117			
<b>Standover</b>	143 163 183 203 143			
<b>Seat tube</b>	71.8 72.3 72.3 72.3 71.8			
<b>Head tube</b>	74.8 74.8 74.3 74.3 74.8			
<b>Eff top tube</b>	1020 1032 1043 1058 1020			
<b>Reach</b>				
<b>Chainstays</b>				
<b>BB height</b>				
<b>Offset</b>				
<b>Trail</b>				
<b>Wheelbase</b>				
<b>IN</b>	29.3 29.9 30.6 31.8 21.4			
<b>Standover</b>	4.1 4.9 5.7 6.5 4.1			
<b>Seat tube</b>	21.5 21.7 22.0 22.4 22.8			
<b>Head tube</b>	25.1 2602 27.1 28.1 26.2			
<b>Eff top tube</b>	16.5 16.5 16.5 16.5 16.5			
<b>Reach</b>	11.1 11.3 11.3 11.3 11.2			
<b>Chainstays</b>	1.8 1.8 1.8 1.8 1.8			
<b>BB height</b>	2.4 2.2 2.2 2.2 2.4			
<b>Offset</b>	40.2 40.6 41.1 41.7 40.2			
<b>Trail</b>				
<b>Wheelbase</b>				

<b>Main tubes</b>	True Temper double butted Cro-Moly	<b>28</b>	<b>38</b>	<b>48</b>
<b>Stays</b>	Cro-Moly	<b>11</b>	<b>66</b>	<b>90</b>
<b>Fork</b>	VP H913W	<b>11</b>	<b>90</b>	<b>114</b>
<b>Headset</b>	Alloy Arc	<b>13</b>	<b>56</b>	<b>76</b>
<b>Handlebars</b>	Cro-Moly, Quick Change	<b>15</b>	<b>49</b>	<b>66</b>
<b>Stem</b>	-	<b>18</b>	<b>41</b>	<b>55</b>
<b>Bar ends</b>	GripShift logo	<b>22</b>	<b>38</b>	<b>45</b>
<b>Grips</b>	GripShift SRT-400	<b>26</b>	<b>28</b>	<b>38</b>
<b>Shifters</b>	Shimano FC500	<b>30</b>	<b>24</b>	<b>33</b>
<b>Front derailleur</b>	Shimano Alivio			
<b>Rear derailleur</b>	Shimano Alivio			
<b>Brakes</b>	Chang Star 274A			
<b>Brake levers</b>	Shimano FC500 48/38/28	74/110 mm bolt hole circle		
<b>Crankset</b>	Shimano BB-UN52	73 x 118		
<b>Bottom bracket</b>	Steel cage w/clips and straps	9/16" axle		
<b>Pedals</b>	Shimano IG50 11-30	7spd		
<b>Cassette</b>	Shimano IG31	106L length		
<b>Chain</b>				
<b>Front wheel</b>				
<b>Front hub</b>	Alloy, sealed			
<b>Front tire</b>	Tioga City Slicker II	26 x 1.5"		
<b>Rear wheel</b>				
<b>Rear hub</b>	Shimano Alivio	HyperGlide Compact cassette, 7spd, 135 mm O.L.D.		
<b>Rear tire</b>	Tioga City Slicker II	26 x 1.5"		
<b>Tubes</b>	Presta valve			
<b>Rims</b>	Weinmann 519	545 E.R.D.,		
<b>Spokes</b>	DT 15G stainless	32 spokes/268 front/266/267 rear(D/ND)/3x		
<b>Saddle</b>	Fisher SuperSoft Foam			
<b>Seatpost</b>	PM-312 alloy micro-adjust	27.2 mm diameter		
<b>Seat binder</b>	Alloy w/Fisher Spoon QR	QR clamp diameter		
<b>Additionals</b>				
<b>Colors</b>		Retro Blue• Black on Yellow decals		
<b>Frame sizes</b>	XS	S	M	L
<b>Handlebar width</b>	580	580	580	580
	62116	62116	62116	62116
<b>Stem length</b>	90	105	120	135
	62377	62378	62379	62380
<b>Crank length</b>	170	170	170	170
	T970275	T970275	T970275	T970275
<b>Seatpost length</b>	300	350	350	350
	57106	57106	57106	57106
<b>Steerer, mm</b>	121	121	141	161
<b>Head angle</b>	72.5	73.0	73.0	73.0
<b>Seat angle</b>	75.0	75.0	75.0	75.0
<b>MM</b>	695	743	759	776
<b>Standover</b>	367	431	462	494
<b>Seat tube</b>	85	105	125	145
<b>Head tube</b>	540	554	568	583
<b>Eff top tube</b>	620	648	670	697
<b>Reach</b>	420	420	420	420
<b>Chainstays</b>	282	282	286	286
<b>BB height</b>	45	45	45	45
<b>Offset</b>	60	60	57	57
<b>Trail</b>	1009	1020	1032	1043
<b>Wheelbase</b>				
<b>IN</b>	27.4	29.3	29.9	30.6
<b>Standover</b>	14.4	17.0	18.2	19.4
<b>Seat tube</b>	3.3	4.1	4.9	5.7
<b>Head tube</b>	21.3	21.8	22.4	23.0
<b>Eff top tube</b>	24.4	25.5	26.4	27.5
<b>Reach</b>	16.5	16.5	16.5	16.5
<b>Chainstays</b>	11.1	11.1	11.3	11.3
<b>BB height</b>	1.8	1.8	1.8	1.8
<b>Offset</b>	2.4	2.4	2.2	2.2
<b>Trail</b>	39.7	40.2	40.6	41.1
<b>Wheelbase</b>				

<b>Main tubes</b>	Cro-Moly		<b>24</b>	<b>34</b>	<b>42</b>
<b>Stays</b>	Cro-Moly		<b>11</b>	<b>57</b>	<b>81</b>
<b>Fork</b>	Cro-Moly			<b>100</b>	
<b>Headset</b>	Steel	22.2/30.0/27.0, 30.9 mm stack	<b>13</b>	<b>48</b>	<b>84</b>
<b>Handlebars</b>	Alloy Arc	25.4mm clamp diameter	<b>15</b>	<b>42</b>	<b>73</b>
<b>Stem</b>	CroMoly Quick Change	22.2 mm insertion	<b>18</b>	<b>35</b>	<b>61</b>
<b>Bar ends</b>	-		<b>21</b>	<b>30</b>	<b>52</b>
<b>Grips</b>	Kraton		<b>24</b>	<b>26</b>	<b>46</b>
<b>Shifters</b>	GripShift MRX170		<b>28</b>	<b>22</b>	<b>39</b>
<b>Front derailleur</b>	Shimano Altus CT92	Down pull, 28.6 mm/ 1 1/8"			
<b>Rear derailleur</b>	Shimano Acera-X				
<b>Brakes</b>	Shimano Altus CT91				
<b>Brake levers</b>	Alloy				
<b>Crankset</b>	Shimano Altus CT92 42/34/24, Riveted				
<b>Bottom bracket</b>	Shimano BB-CT91	73 x 121			
<b>Pedals</b>	Dual Density	9/16" axle			
<b>Cassette</b>	Shimano IG50 11-28	7spd			
<b>Chain</b>	IG31				
<b>Front wheel</b>					
<b>Front hub</b>	Alloy QR				
<b>Front tire</b>	Tioga City Slicker II	26 x 1.5			
<b>Rear wheel</b>					
<b>Rear hub</b>	Shimano RM40	HyperGlide Compact cassette, 7spd, 135 mm O.L.D.			
<b>Rear tire</b>	Tioga City Slicker II	26 x 1.5			
<b>Tubes</b>	Schraeder valve				
<b>Rims</b>	Weinmann 519				
<b>Spokes</b>	545 E.R.D.,				
<b>Saddle</b>	15G Stainless	36 spokes/266 front/261/263 rear(D/ND)/3x			
<b>Seatpost</b>	Fisher Supersoft foam				
<b>Seat binder</b>	Micro-adjust, alloy				
<b>Additionals</b>	Quick release (T962846)	26.6 mm diameter			
<b>Colors</b>	Ballistic Blue• Gold decals				
<b>Frame sizes</b>	XS	S	M	L	XL
<b>Handlebar width</b>	560	560	560	560	560
<b>Stem length</b>	57141	57141	57141	57141	57141
<b>Crank length</b>	90	105	120	135	150
<b>Seatpost length</b>	57048	57049	57050	57051	57052
<b>Steerer, mm</b>	170	170	170	170	170
<b>Head angle</b>	61274	61274	61274	61274	61274
<b>Seat angle</b>	300	300	350	350	300
<b>MM</b>	57102	57102	57102	57102	57102
<b>Standover</b>	123	123	123	133	173
<b>Seat tube</b>	70.0	70.5	70.5	71.5	71.5
<b>Head tube</b>	74.0	74.0	73.0	73.0	74.0
<b>Eff top tube</b>	1037	1038	1039	1040	1051
<b>Reach</b>					
<b>Chainstays</b>	702	727	750	781	825
<b>BB height</b>	367	431	462	494	532
<b>Offset</b>	90	90	90	100	140
<b>Trail</b>	540	554	568	583	597
<b>Wheelbase</b>	605	630	655	683	708
<b>IN</b>	420	420	420	420	420
<b>Standover</b>	281	281	281	281	281
<b>Seat tube</b>	50	50	50	50	50
<b>Head tube</b>	73	70	70	63	70
<b>Eff top tube</b>	16.5	16.5	16.5	16.5	16.5
<b>Reach</b>	23.8	24.8	25.8	26.9	27.9
<b>Chainstays</b>	11.1	11.1	11.1	11.1	11.1
<b>BB height</b>	2.0	2.0	2.0	2.0	2.0
<b>Offset</b>	2.9	2.8	2.8	2.5	2.8
<b>Trail</b>	40.8	40.9	40.9	41.4	40.9
<b>Wheelbase</b>					

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# Kids and BMX

Although these bikes may not be particularly expensive, they still deserve a quality assembly. Remember, the customer riding a MudPuppy today may be shopping for a Joshua in just a few years!

## Bikes and Kids

Pay particular attention to greasing the threads on these bikes. They often are left out in the yard when it rains, etc. etc. They may even be ridden in salt water (shudder!). Make sure to grease the stem bolts (all 4 handlebar clamp bolts on BMX style stems), seatpost, and stem insertion, as well as axle nuts.

Also remember that with kids bikes they must endure hard play and low maintenance. Make sure all the accessories (like chain guards) are aligned and tightened. Also check the chain tension, as this is part of the braking system on a coaster brake equipped bike.

On bikes with training wheels, the correct height of the training wheels depends on the skill of the rider. For new riders just learning: With correct air pressure in the tires and the rider seated on the bike, there should be 3-5 mm clearance between the training wheels and the ground with the bike fully upright. As a rider's skill increases, this gap may be increased to allow leaning the bike in corners, and to teach balance.

## Redundant Wheel Retention Devices

With our BMX bikes, do not remove the 'top hat' washers from the front wheel axles. They are redundant retention devices, there to help protect people who neglect to correctly tighten the wheel axle nuts. The portion of the 'tophat' with a smaller diameter fits into the fork's keyhole dropout, while the larger diameter works much like a washer on the outside surface of the fork blade. Make sure they are correctly installed, and instruct the consumer to leave them in place at all times.

## Rotors

Some models of BMX bikes are equipped with rotors. When equipped with a rotor, a bike with a front brake can have its handlebars rotated 360 degrees (repeatedly, if you're really good) without catching the brake cable. Bikes with rotors have a specific headset stack with specific washers. do not attempt to remove headset washers for rotor-equipped bikes.

Also pay special attention to the brake adjustment on bikes equipped with rotors. Make sure there is adequate possible adjustment of the brake cable tension with the various barrel adjusters involved.

**Our Price: \$**

**PIRANHA**

Main tubes	T961304	Hitensile steel					28	38	48
Stays		High tensile steel					14	47	64
Fork		High tensile steel					16	41	56
Headset		Steel	22.2/30.0/27.0, 37.0 mm stack				18	37	50
Handlebars		Steel	25.4mm clamp diameter				21	31	43
Stem		Steel ATB	22.2 mm insertion				24	28	37
Bar ends		-					28	24	32
Grips		Fisher Hex, Kraton							
Shifters	61382	QuickShift 60, right only, 6spd							
Front derailleur		Shimano Tourney	Down pull, 28.6 mm/ 1 1/8"						
Rear derailleur		Shimano Tourney							
Brakes		Shimano Altus C90							
Brake levers		Alloy							
Crankset		SR 48/38/28	Riveted						
Bottom bracket		YST BB-613	73 x D3N						
Pedals		ATB nylon	9/16" axle						
Cassette	61245	Shimano HG22 14-28	6spd						
Chain		KMC UG50							
Front wheel		Alloy							
Front hub		Kenda	24 x 1.9						
Front tire		Alloy							
Rear wheel		Kenda							
Rear hub		Schraeder valve	Threaded, 1 spd, nutted front and rear, 135 mm O.L.D.						
Rear tire		Weinmann 519	24 x 1.9						
Tubes	58357	15G UCP							
Rims		Fisher Supersoft foam	36 spokes/239 front/236/238 rear(D/ND)/3x						
Spokes		Steel, black							
Saddle	58201	M6 x 23.5	26.6 mm diameter						
Seatpost									
Seat binder									
Additionals									
Colors									
Frame sizes		Gloss Bright Blue- boys							
Handlebar width		Dry Magenta- girls							
Handlebar width		XS	S	M	L	XL	SM-L	LG-L	
Stem length		540							
Crank length		105							
Seatpost length		165							
Steerer, mm		300							
Head angle		123							
Seat angle		71.0	71.0	71.5	71.5	71.5	71.0	71.5	
MM	Standover	74.5	74.0	74.0	73.5	73.5	74.0	73.5	
Standover		703	751	767	784	815	639	660	
Seat tube		90	90	90	100	140	120	165	
Head tube		540	554	568	583	597	551	580	
Eff top tube		617	554	568	583	597	551	580	
Reach		420	420	420	420	420	420	420	
Chainstays		288	288	292	292	292	291	295	
BB height		38	38	38	38	38	38	38	
Offset		74	74	71	71	71	74	71	
Trail		1014	1025	1037	1048	1063	1019	1046	
IN	Standover	27.7	29.6	30.2	30.9	32.1	25.2	26.0	
Standover		3.5	3.5	3.5	3.9	5.5	4.7	6.5	
Seat tube		21.3	21.8	22.4	23.0	23.5	21.7	22.8	
Head tube		24.3	21.8	22.4	23.0	23.5	21.7	22.8	
Eff top tube		16.5	16.5	16.5	16.5	16.5	16.5	16.5	
Reach		11.3	11.3	11.5	11.5	11.5	11.5	11.6	
Chainstays		1.5	1.5	1.5	1.5	1.5	1.5	1.5	
BB height		2.9	2.9	2.8	2.8	2.8	2.9	2.8	
Offset		39.9	40.4	40.8	41.3	41.9	40.1	41.2	
Trail									
Wheelbase									

<b>Main tubes</b>	Hitensile steel	<b>28</b>	<b>38</b>	<b>48</b>
<b>Stays</b>	High tensile steel	<b>14</b>	47	64
<b>Fork</b>	High tensile steel	<b>16</b>	41	56
<b>Headset</b>	Steel	<b>18</b>	37	50
<b>Handlebars</b>	Steel	<b>21</b>	31	43
<b>Stem</b>	Steel ATB	<b>24</b>	28	37
<b>Bar ends</b>	-	<b>28</b>	24	32
<b>Grips</b>	Fisher Hex, Kraton			
<b>Shifters</b>	GripShift MRX160			
<b>Front derailleur</b>	Shimano Tourney			
<b>Rear derailleur</b>	Shimano Tourney			
<b>Brakes</b>	Alloy cantilever			
<b>Brake levers</b>	Alloy			
<b>Crankset</b>	SR 48/38/28	Riveted		
<b>Bottom bracket</b>	YST BB-613	73 x D3N		
<b>Pedals</b>	ATB nylon	9/16" axle		
<b>Cassette</b>	58475 Shimano HG22 14-28	6spd		
<b>Chain</b>	53356 KMC UG50			
<b>Front wheel</b>	62285			
<b>Front hub</b>	Alloy			
<b>Front tire</b>	Kenda	24 x 1.9		
<b>Rear wheel</b>	62286			
<b>Rear hub</b>	Alloy	Threaded, 1 spd, nutted front and rear, 135 mm O.L.D.		
<b>Rear tire</b>	Kenda	24 x 1.9		
<b>Tubes</b>	58356 Schraeder valve			
<b>Rims</b>	Weinmann 519			
<b>Spokes</b>	15G UCP	36 spokes/239 front/236/238 rear(D/ND)/3x		
<b>Saddle</b>	58201 Fisher Supersoft foam			
<b>Seatpost</b>	Steel, black	26.6 mm diameter		
<b>Seat binder</b>	59466 M6 x 23.5			
<b>Additionals</b>	(Girls) Brake Roller Rear			
<b>Colors</b>	Black• Gold on Red decals- boys			
<b>Frame sizes</b>	Purple• Retro Blue on Silver decals- girls			
<b>Handlebar width</b>	11.5B 11.5G			
<b>Stem length</b>	540			
<b>Crank length</b>	54317 105			
<b>Seatpost length</b>	53281 165			
<b>Steerer, mm</b>	300			
<b>Head angle</b>	57102 123			
<b>Seat angle</b>	70.5 70.5			
74.5 74.5				
<b>MM</b>	Standover	640		
	Seat tube			
	Head tube	85		
	Eff top tube	525 525		
	Reach	601 525		
	Chainstays	394 394		
	BB height	277		
	Offset	38 38		
	Trail	68		
	Wheelbase	981 981		
<b>IN</b>	Standover	25.2		
	Seat tube			
	Head tube	3.3		
	Eff top tube	20.7 20.7		
	Reach	23.7 20.7		
	Chainstays	15.5 15.5		
	BB height	10.9		
	Offset	1.5 1.5		
	Trail	2.7		
	Wheelbase	38.6 38.6		

**Our Price: \$**

**MT. JAM**

			28	38	48
Main tubes		Hitensile steel	<b>14</b>	47	64
Stays		High tensile steel	<b>16</b>	41	56
Fork	59462	RST 161	<b>18</b>	37	50
Headset		Steel	<b>21</b>	31	43
Handlebars		Steel	<b>24</b>	28	37
Stem		Steel ATB	<b>28</b>	24	32
Bar ends	62534	Fisher Hex, Kraton			
Grips	62534	-			
Shifters	63014/40	GripShift MRX160			
Front derailleur	61382	Shimano Tourney			
Rear derailleur	61493	Shimano Tourney			
Brakes	61081/2	Alloy cantilever			
Brake levers	53410	Alloy			
Crankset		SR 48/38/28			
Bottom bracket	61000	YST BB-613			
Pedals		ATB nylon			
Cassette	58475	Shimano HG22 14-28			
Chain	61245	KMC UG50			
Front wheel	62285				
Front hub		Alloy			
Front tire		Kenda			
Rear wheel	62286				
Rear hub		Alloy			
Rear tire		Kenda			
Tubes		Schraeder valve			
Rims	58357	Weinmann 519			
Spokes		15G UCP			
Saddle	58201	Fisher Supersoft foam			
Seatpost		Steel, black			
Seat binder		M6 x 23.5			
Additionals					
Colors		Chrome/ Red fork• Red on Black decals			
Frame sizes		11.5B			
Handlebar width		540			
Stem length		105			
Crank length		53281			
Seatpost length		165			
Steerer, mm		300			
Head angle		57102			
Seat angle		123			
MM	Standover	70.5			
	Seat tube	74.5			
	Head tube	640			
	Eff top tube				
	Reach	85			
	Chainstays	525			
	BB height	601			
	Offset	394			
	Trail	277			
	Wheelbase	38			
IN	Standover	68			
	Seat tube	981			
	Head tube	25.2			
	Eff top tube				
	Reach	3.3			
	Chainstays	20.7			
	BB height	23.7			
	Offset	15.5			
	Trail	10.9			
	Wheelbase	1.5			
		2.7			
		38.6			

# SHORTCUT

Our Price: \$

<b>Main tubes</b>	Hitensile steel	<b>40</b>
<b>Stays</b>	High tensile steel	<b>14</b> 57
<b>Fork</b>	High tensile steel,	<b>16</b> 50
<b>Headset</b>	Steel	<b>18</b> 45
<b>Handlebars</b>	Steel, 30mm rise, DH style	<b>21</b> 38
<b>Stem</b>		<b>24</b> 33
<b>Bar ends</b>	Steel	<b>28</b> 29
<b>Grips</b>	-	
<b>Shifters</b>	Kraton	
<b>Front derailleur</b>	GripShift MRX160	
<b>Rear derailleur</b>	-	
<b>Brakes</b>	Shimano Tourney	
<b>Brake levers</b>	Alloy cantilevers	
<b>Crankset</b>	Alloy	
<b>Bottom bracket</b>	One piece, 40T	
<b>Pedals</b>	VP-B32	68 x 3J (30.5/52/30.5)
<b>Cassette</b>	ATB nylon	9/16" axle
<b>Chain</b>	Shimano HG22 14-28	6spd
<b>Front wheel</b>	KMC UG50	100L length
<b>Front hub</b>	Steel	
<b>Front tire</b>	ATB knobby	20 x 2.0
<b>Rear wheel</b>	Steel	Coaster, 1 spd, nutted front and rear, 135 mm O.L.D.
<b>Rear hub</b>	ATB knobby	20 x 2.0
<b>Rear tire</b>	Schraeder valve	
<b>Tubes</b>	Weinmann 519	
<b>Rims</b>	14G UCP	36 spokes/189 front/188/186 rear(D/ND)/3x
<b>Spokes</b>	Fisher Supersoft foam	
<b>Saddle</b>	Steel	25.6 mm diameter
<b>Seatpost</b>	M6 x 55	
<b>Seat binder</b>	Blue• Black on Yellow decals- boys	
<b>Additionals</b>	Matte Teal• Red on Yellow decals- girls	
<b>Colors</b>	11.5 B 11.5 G	
<b>Frame sizes</b>	520 540	
<b>Handlebar width</b>	51623	
<b>Stem length</b>	60 60	
<b>Crank length</b>	140 140	
<b>Seatpost length</b>	300 300	
<b>Steerer, mm</b>	53376	
<b>Head angle</b>	132 142	
<b>Seat angle</b>	70.0 74.0	
<b>MM</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	702 90 545 591 -21 430 281 40 83 1027
<b>IN</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	27.6 3.5 21.5 23.3 -0.8 16.9 11.1 1.6 3.3 40.4

Our Price: \$

MINNOSAURUS

<b>Main tubes</b>		Hitensile steel				
<b>Stays</b>		High tensile steel				
<b>Fork</b>		High tensile steel				
<b>Headset</b>	64828	Steel	22.2/30.0/27.0, 33.0 mm stack			
<b>Handlebars</b>		Steel, 30mm rise, DH style	25.4mm clamp diameter			
<b>Stem</b>		Steel	22.2 mm insertion			
<b>Bar ends</b>	51636	-				
<b>Grips</b>		Kraton				
<b>Shifters</b>		-				
<b>Front derailleur</b>		-				
<b>Rear derailleur</b>		-				
<b>Brakes</b>		Coaster				
<b>Brake levers</b>						
<b>Crankset</b>		One piece, 40T				
<b>Bottom bracket</b>	64806	One-piece type, VP-B35	24 TPI			
<b>Pedals</b>		ATB nylon	9/16" axle			
<b>Cassette</b>	62773	18T				
<b>Chain</b>	52095	KMC 410, 1/2x1/8"				
<b>Front wheel</b>		Steel				
<b>Front hub</b>		Dinosaur tread	20 x 1.75			
<b>Front tire</b>	58931					
<b>Rear wheel</b>	52853	Steel coaster	Coaster, 1 spd, nutted front and rear, 110 mm O.L.D.			
<b>Rear hub</b>		Dinosaur tread	20 x 1.75			
<b>Rear tire</b>		Schraeder valve				
<b>Tubes</b>		Steel				
<b>Rims</b>		14G UCP	36 spokes/188 front/185/187 rear(D/ND)/3x			
<b>Spokes</b>		Fisher Supersoft foam				
<b>Saddle</b>	56635	Steel	26.6 mm diameter			
<b>Seatpost</b>		M6 x 55				
<b>Seat binder</b>		Chainguard (62719)				
<b>Additionals</b>		Red- boys				
<b>Colors</b>		Pink- girls				
<b>Frame sizes</b>		11.5 B      11.5 G				
<b>Handlebar width</b>		540      540				
<b>Stem length</b>		51623      51623				
<b>Crank length</b>		90      90				
<b>Seatpost length</b>		55126      55126				
<b>Steerer, mm</b>		140      140				
<b>Head angle</b>		52089      52089				
<b>Seat angle</b>		300      300				
<b>Standover</b>		64838      64838				
<b>MM</b>		128      138				
<b>Seat tube</b>		70.0				
<b>Head tube</b>		74.0				
<b>Eff top tube</b>			702			
<b>Reach</b>			90			
<b>Chainstays</b>			545			
<b>BB height</b>			614	-31		
<b>Offset</b>			430			
<b>Trail</b>			281			
<b>Wheelbase</b>			40			
<b>IN</b>			88			
<b>Standover</b>			1027			
<b>Seat tube</b>						
<b>Head tube</b>			27.6			
<b>Eff top tube</b>			3.5			
<b>Reach</b>			21.5			
<b>Chainstays</b>			24.2	-1.2		
<b>BB height</b>			16.9			
<b>Offset</b>			11.1			
<b>Trail</b>			1.6			
<b>Wheelbase</b>			3.3			
			40.4			

40  
18 45



<b>Main tubes</b>	Hitensile steel		<b>32</b>
<b>Stays</b>	High tensile steel		<b>18</b>
<b>Fork</b>	High tensile steel		<b>27</b>
<b>Headset</b>	Steel	22.2/30.0/27.0, 33.0 mm stack	
<b>Handlebars</b>	Steel	25.4mm clamp diameter	
<b>Stem</b>	Steel	22.2 mm insertion	
<b>Bar ends</b>	-		
<b>Grips</b>	Kraton		
<b>Shifters</b>	-		
<b>Front derailleur</b>	-		
<b>Rear derailleur</b>	-		
<b>Brakes</b>	Coaster		
<b>Brake levers</b>			
<b>Crankset</b>	One piece, 32T		
<b>Bottom bracket</b>	One-piece type, VP-B35	24 TPI	
<b>Pedals</b>	ATB nylon	9/16" axle	
<b>Cassette</b>	18T		
<b>Chain</b>	KMC 410, 1/2x1/8"		
<b>Front wheel</b>			
<b>Front hub</b>	Steel		
<b>Front tire</b>	BMX style	16 x 1.75	
<b>Rear wheel</b>			
<b>Rear hub</b>	Steel coaster	Coaster, 1 spd, nutted front and rear, 110 mm O.L.D.	
<b>Rear tire</b>	BMX style	16 x 1.75	
<b>Tubes</b>	Schraeder valve		
<b>Rims</b>	Steel		
<b>Spokes</b>	14G UCP	28 spokes/188 front/185/187 rear(D/ND)/3x	
<b>Saddle</b>	Fisher Supersoft foam		
<b>Seatpost</b>	Steel	26.6 mm diameter	
<b>Seat binder</b>	M6 x 55		
<b>Additionals</b>	Training wheels (64847/9), chainguard (64854/5), and pads (64852/3)		
<b>Colors</b>	Blue- boys Pink- girls		
<b>Frame sizes</b>	11.5 B    11.5 G		
<b>Handlebar width</b>	540    540		
<b>Stem length</b>	53263 90    90		
<b>Crank length</b>	53552 140    140		
<b>Seatpost length</b>	51647 300    300		
<b>Steerer, mm</b>	64838 130    130		
<b>Head angle</b>	70.0		
<b>Seat angle</b>	74.0		
<b>MM</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	702 90 545 614    -31 430 281 40 83 1027	
<b>IN</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	27.6 3.5 21.5 24.2    -1.2 16.9 11.1 1.6 3.3 40.4	

<b>Main tubes</b>	High tensile steel	44
<b>Stays</b>	High tensile steel	55
<b>Fork</b>	High tensile steel	
<b>Headset</b>	Dia-Compe SE-I Ahead	
<b>Handlebars</b>	Fisher Expert	
<b>Stem</b>	4 bolt BMX Ahead	
<b>Grips</b>	Fisher logo	
<b>Brakes</b>	Lee Chi 752A cantilever (rear)	
<b>Brake levers</b>	Lee Chi 325A-1	
<b>Crankset</b>	One piece type, 2pc. spider and sprocket, 44T, 110 mm bolt hole circle	
<b>Bottom bracket</b>	One-piece type	24 TPI
<b>Pedals</b>	LU-469	1/2" axle
<b>Cassette</b>	16T	
<b>Chain</b>	KMC 410A, 1/2x1/8"	88L length
<b>Front wheel</b>	Steel, sealed	
<b>Front hub</b>	Knobby blackwall	20 x 2.125
<b>Front tire</b>		
<b>Rear wheel</b>	Steel, sealed	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.
<b>Rear hub</b>	Knobby blackwall	20 x 1.75
<b>Rear tire</b>	Schraeder valve	
<b>Tubes</b>	Aluminum alloy	
<b>Rims</b>	14G UCP	36 spokes/190 front/? rear(D/ND)/3x
<b>Spokes</b>	Fisher, padded	
<b>Saddle</b>	Steel micro-adjust, chrome plated, 25.4 mm diameter	
<b>Seatpost</b>	Alloy 2 bolt	
<b>Seat binder</b>	Chrome	
<b>Additionals</b>	Matte Red	
<b>Colors</b>	Beginner	
<b>Frame sizes</b>		
<b>Handlebar width</b>	62688	
<b>Stem length</b>	35	
<b>Crank length</b>	62691	
<b>Seatpost length</b>	170	
<b>Steerer, mm</b>	62705	
<b>Head angle</b>	350	
<b>Seat angle</b>	62791	
<b>MM</b>	Standover	
	Seat tube	203
	Head tube	100
	Eff top tube	476
	Reach	510
	Chainstays	368
	BB height	
	Offset	
	Trail	
	Wheelbase	914
<b>IN</b>	Standover	
	Seat tube	8.0
	Head tube	3.9
	Eff top tube	18.7
	Reach	20.1
	Chainstays	14.5
	BB height	
	Offset	
	Trail	
	Wheelbase	36.0

# HARD WARP

Our Price: \$

<b>Main tubes</b>	HiTensile w/Cro-Moly seat tube	<b>44</b>
<b>Stays</b>	High tensile steel	
<b>Fork</b>	Cro-Moly	
<b>Headset</b>	Dia-Compe SE-1 Aheadset	25.4/34.0/30.0, 24.5 mm stack
<b>Handlebars</b>	Fisher Expert	25.4mm clamp diameter
<b>Stem</b>	Alloy 4 bolt Ahead	30.0 mm steerer clamp height
<b>Grips</b>	Fisher logo, Kraton	
<b>Brakes</b>	Lee Chi PF-10 cantilever (rear)	
<b>Brake levers</b>	Lee Chi 325A-1	
<b>Crankset</b>	One piece type, 2pc. spider and sprocket, 44T, 110 mm bolt hole circle	
<b>Bottom bracket</b>	One-piece type	24 TPI
<b>Pedals</b>	LU-313	1/2" axle
<b>Cassette</b>	16T	
<b>Chain</b>	KMC 410A, 1/2x1/8"	88L length
<b>Front wheel</b>	Alloy, sealed	
<b>Front hub</b>	Knobby	20 x 2.125
<b>Front tire</b>		
<b>Rear wheel</b>	Alloy, sealed	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.
<b>Rear hub</b>	Knobby	20 x 1.75
<b>Rear tire</b>	Schraeder valve	
<b>Tubes</b>	Aluminum alloy	
<b>Rims</b>	14G UCP	36 spokes/190 front/187/187 rear(D/ND)/3x
<b>Spokes</b>	Fisher, padded	
<b>Saddle</b>	Seatpost	Steel micro-adjust, chrome plated, 25.4 mm diameter
<b>Seatpost</b>	Seat binder	
<b>Seat binder</b>	Additional	
<b>Additionals</b>	Colors	
<b>Frame sizes</b>	Frame sizes	Matte Black
<b>Handlebar width</b>		
<b>Stem length</b>	62687	
<b>Crank length</b>	35	
<b>Seatpost length</b>	62691	
<b>Steerer, mm</b>	170	
<b>Head angle</b>	62704	
<b>Seat angle</b>	350	
	62699	
	152	
	73.5	
	71.0	
<b>MM</b>	Standover	
	Seat tube	203
	Head tube	100
	Eff top tube	476
	Reach	510
	Chainstays	369
	BB height	
	Offset	
	Trail	
	Wheelbase	890
<b>IN</b>	Standover	
	Seat tube	8.0
	Head tube	3.9
	Eff top tube	18.7
	Reach	20.1
	Chainstays	14.5
	BB height	
	Offset	
	Trail	
	Wheelbase	35.0

**Our Price: \$**

**LUSH RUSH TOOL**

<b>Main tubes</b>	7005 heat treated aluminum	<b>44</b>
<b>Stays</b>	7000 series aluminum	16
<b>Fork</b>	Cro-Moly/Hi-Ten	55
<b>Headset</b>	62789 Dia-Compe SE-1 Aheadset	25.4/34.0/30.0, 24.5 mm stack
<b>Handlebars</b>	Fisher Pro	25.4mm clamp diameter
<b>Stem</b>	Alloy 4 bolt Ahead	30.0 mm steerer clamp height
<b>Grips</b>	Fisher logo, Kraton w/replaceable endcaps	
<b>Brakes</b>	Lee Chi PF-10 cantilever (rear)	
<b>Brake levers</b>	Lee Chi 325A-1	
<b>Crankset</b>	One-piece type, 2pc. spider and sprocket, 44T, 110 mm bolt hole circle	
<b>Bottom bracket</b>	62703 One-piece type	24 TPI
<b>Pedals</b>	62707 LU-313	1/2" axle
<b>Cassette</b>	62774 16T	
<b>Chain</b>	54006 KMC 410A, 1/2x1/8"	90L length
<b>Front wheel</b>	62335 Alloy, sealed	
<b>Front hub</b>	62777 Knobby	20 x 2.125
<b>Front tire</b>	62283 Alloy, sealed	
<b>Rear wheel</b>	62776 Knobby	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D. 20 x 1.75
<b>Rear hub</b>	Schraeder valve	
<b>Rear tire</b>	Aluminum alloy	
<b>Tubes</b>	14G UCP	36 spokes/190 front/188/188 rear(D/ND)/3x
<b>Rims</b>	Fisher, padded	
<b>Spokes</b>	62714 Steel micro-adjust, chrome plated, 26.8 mm diameter	
<b>Saddle</b>	62716 Alloy 2 bolt	
<b>Seatpost</b>	Chainguard (62719)	
<b>Seat binder</b>	Ball Burnished	
<b>Additionals</b>	Matte Blue	
<b>Colors</b>	Expert	
<b>Frame sizes</b>	62688	
<b>Handlebar width</b>	35	
<b>Stem length</b>	62691	
<b>Crank length</b>	175	
<b>Seatpost length</b>	62704	
<b>Steerer, mm</b>	350	
<b>Head angle</b>	62700	
<b>Seat angle</b>	152	
	73.5	
	71.0	
<b>MM</b>	<b>Standover</b>	
	Seat tube	203
	Head tube	100
	Eff top tube	501
	Reach	535
	Chainstays	382
	BB height	
	Offset	
	Trail	
	<b>Wheelbase</b>	915
<b>IN</b>	<b>Standover</b>	
	Seat tube	8.0
	Head tube	3.9
	Eff top tube	19.7
	Reach	21.0
	Chainstays	15.0
	BB height	
	Offset	
	Trail	
	<b>Wheelbase</b>	36.0

# LUSH RUSH FUEL

Our Price: \$

<b>Main tubes</b>	7005 heat treated aluminum	<b>44</b>
<b>Stays</b>	7000 series aluminum	
<b>Fork</b>	Cro-Moly	
<b>Headset</b>	62789 Dia-Compe SE-1 Aheadset	25.4/34.0/30.0, 24.5 mm stack
<b>Handlebars</b>	Fisher Pro CroMoly	25.4mm clamp diameter
<b>Stem</b>	Alloy 4 bolt Ahead	30.0 mm steerer clamp height
<b>Grips</b>	Fisher logo, Kraton w/replaceable endcaps	
<b>Brakes</b>	Lee Chi 761A cantilever (rear)	
<b>Brake levers</b>	Lee Chi 325A-1	
<b>Crankset</b>	One piece CroMoly, 2pc. spider and sprocket, 44T, 110 mm bolt hole circle	
<b>Bottom bracket</b>	One-piece type	24 TPI
<b>Pedals</b>	LU-953	1/2" axle
<b>Cassette</b>	16T	
<b>Chain</b>	54006 KMC 410A, 1/2x1/8"	90L length
<b>Front wheel</b>	62282 Alloy, sealed	
<b>Front hub</b>	62777 Knobby	20 x 2.125
<b>Front tire</b>	62336 Alloy, sealed	
<b>Rear wheel</b>	62776 Knobby	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.
<b>Rear hub</b>	Schraeder valve	
<b>Rear tire</b>	Aluminum alloy	
<b>Tubes</b>	14G UCP	36 spokes/188 front/188/188 rear(D/ND)/3x
<b>Rims</b>	Fisher, padded	
<b>Spokes</b>	62714 Steel micro-adjust, chrome plated, 26.8 mm diameter	
<b>Saddle</b>	Seatpost	
<b>Seatpost</b>	62716 Alloy 2 bolt	
<b>Seat binder</b>	Chainguard (62719)	
<b>Additionals</b>	Ball Burnished	
<b>Colors</b>	Matte Orange	
<b>Frame sizes</b>	Expert	
<b>Handlebar width</b>	62688	
<b>Stem length</b>	35	
<b>Crank length</b>	62691	
<b>Seatpost length</b>	175	
<b>Steerer, mm</b>	62704	
<b>Head angle</b>	350	
<b>Seat angle</b>	62700	
<b>MM</b>	152	
<b>Standover</b>	73.5	
<b>Seat tube</b>	71.0	
<b>Head tube</b>		
<b>Eff top tube</b>		
<b>Reach</b>		
<b>Chainstays</b>		
<b>BB height</b>		
<b>Offset</b>		
<b>Trail</b>		
<b>Wheelbase</b>	915	
<b>IN</b>		
<b>Standover</b>	9.0	
<b>Seat tube</b>	3.9	
<b>Head tube</b>	21.5	
<b>Eff top tube</b>	22.8	
<b>Reach</b>	16.5	
<b>Chainstays</b>		
<b>BB height</b>		
<b>Offset</b>		
<b>Trail</b>		
<b>Wheelbase</b>	36.0	

Our Price: \$

# TRIGGER FISH BAKED

<b>Main tubes</b>	7005 heat treated aluminum	<b>44</b>
<b>Stays</b>	7000 series aluminum	16
<b>Fork</b>	Cro-Moly	55
<b>Headset</b>	Dia-Compe SE-1 Aheadset	25.4/34.0/30.0, 24.5 mm stack
<b>Handlebars</b>	Fisher Pro CroMoly	25.4mm clamp diameter
<b>Stem</b>	Alloy 4 bolt Ahead	30.0 mm steerer clamp height
<b>Grips</b>	Fisher logo, Kraton w/replaceable endcaps	
<b>Brakes</b>	Lee Chi PV97 V-brake (rear)	
<b>Brake levers</b>	Lee Chi 316A	
<b>Crankset</b>	One piece CroMoly, 2pc. spider and sprocket, 44T, 110 mm bolt hole circle	
<b>Bottom bracket</b>	One-piece type	24 TPI
<b>Pedals</b>	LU-953	9/16" axle
<b>Cassette</b>	16T	
<b>Chain</b>	54006 KMC 410A, 1/2x1/8"	90L length
<b>Front wheel</b>	62335 Alloy, sealed	
<b>Front hub</b>	62777 Tioga Comp III skinwall	20 x 2.125
<b>Front tire</b>	62396 Alloy, sealed	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.
<b>Rear wheel</b>	62776 Tioga Comp III skinwall	20 x 1.75
<b>Rear hub</b>	Schraeder valve	
<b>Rear tire</b>	Aluminum alloy	
<b>Tubes</b>	14G UCP	36 spokes/188 front/188/188 rear(D/ND)/3x
<b>Rims</b>	Fisher padded, Kevlar corners	
<b>Spokes</b>	CroMoly microadjust, chrome plated, 26.8 mm diameter	
<b>Saddle</b>	62714 Alloy 2 bolt	
<b>Seatpost</b>	62716 Chainguard (62719)	
<b>Seat binder</b>	Ball Burnished	
<b>Additionals</b>	Pro	
<b>Colors</b>	62688	
<b>Frame sizes</b>	35	
<b>Handlebar width</b>	62691	
<b>Stem length</b>	180	
<b>Crank length</b>	62704	
<b>Seatpost length</b>	350	
<b>Steerer, mm</b>	62700	
<b>Head angle</b>	152	
<b>Seat angle</b>	73.5	
	71.0	
<b>MM</b>	<b>Standover</b>	
	Seat tube	229
	Head tube	100
	Eff top tube	546
	Reach	580
	Chainstays	394
	BB height	
	Offset	
	Trail	
	Wheelbase	915
<b>IN</b>	<b>Standover</b>	
	Seat tube	9.0
	Head tube	3.9
	Eff top tube	21.5
	Reach	22.8
	Chainstays	15.5
	BB height	
	Offset	
	Trail	
	Wheelbase	36.0

# TRIGGER FISH RAW

Our Price: \$

<b>Main tubes</b>	7005 heat treated aluminum	<b>44</b>
<b>Stays</b>	7000 series aluminum	
<b>Fork</b>	Cro-Moly	16 55
<b>Headset</b>	62790 Dia-Compe SX-1 Aheadset	25.4/34.0/30.0, 24.5 mm stack
<b>Handlebars</b>	Fisher Pro CroMoly	25.4mm clamp diameter
<b>Stem</b>	Alloy 4 bolt Ahead	30.0 mm steerer clamp height
<b>Grips</b>	62784 Fisher logo, Kraton w/replaceable endcaps	
<b>Brakes</b>	62692 Lee Chi PV-97 V brake (rear)	
<b>Brake levers</b>	62711 Lee Chi 316A	
<b>Crankset</b>	3 piece CroMoly, 2pc. spider and sprocket, 44T, 110 mm bolt hole circle	
<b>Bottom bracket</b>	62680 One-piece type	24 TPI
<b>Pedals</b>	62684 LU-952	1/2" axle
<b>Cassette</b>	62774 16T	
<b>Chain</b>	54006 KMC 410A, 1/2x1/8"	90L length
<b>Front wheel</b>	62285 Alloy, sealed	
<b>Front hub</b>	62777 Tioga Comp III skinwall	20 x 2.125
<b>Front tire</b>	62286 Alloy, sealed	
<b>Rear wheel</b>	62776 Tioga Comp III skinwall	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.
<b>Rear hub</b>	Schraeder valve	20 x 1.75
<b>Rear tire</b>	Araya 7X, alloy	
<b>Tubes</b>	14G UCP	36 spokes/188 front/188/188 rear(D/ND)/3x
<b>Rims</b>	62697 Fisher padded, Kevlar corners	
<b>Spokes</b>	CroMoly microadjust, chrome plated, 26.8 mm diameter	
<b>Saddle</b>	62716 Alloy 2 bolt	
<b>Seatpost</b>	Chainguard (62719)	
<b>Seat binder</b>	Ball Burnished	
<b>Additionals</b>	Pro	
<b>Colors</b>	62688	
<b>Frame sizes</b>	35	
<b>Handlebar width</b>	62691	
<b>Stem length</b>	175	
<b>Crank length</b>	62681	
<b>Seatpost length</b>	350	
<b>Steerer, mm</b>	62700	
<b>Head angle</b>	152	
<b>Seat angle</b>	73.5	
	71.0	
<b>MM</b>	Standover	
	Seat tube	229
	Head tube	100
	Eff top tube	546
	Reach	580
	Chainstays	420
	BB height	
	Offset	
	Trail	
	Wheelbase	915
<b>IN</b>	Standover	
	Seat tube	9.0
	Head tube	3.9
	Eff top tube	21.5
	Reach	22.8
	Chainstays	16.5
	BB height	
	Offset	
	Trail	
	Wheelbase	36.0

<b>Main tubes</b>	HiTensile w/Cro-Moly seat tube	<b>42</b>
<b>Stays</b>	High tensile steel	
<b>Fork</b>	High tensile steel	
<b>Headset</b>	Steel w/Odyssey Gyro	21.2/32.5/27.0, 39.0 mm stack
<b>Handlebars</b>	Fisher Freestyle	25.4mm clamp diameter
<b>Stem</b>	Alloy 4 bolt	21.2 mm insertion
<b>Grips</b>	Fisher logo, Kraton w/replaceable endcaps	
<b>Brakes</b>	Dia-Compe Bulldog	
<b>Brake levers</b>	Chang Star 257A-1	
<b>Crankset</b>	One piece type, 42T	
<b>Bottom bracket</b>	One-piece type	24 TPI
<b>Pedals</b>	LU-469	1/2" axle
<b>Cassette</b>	18T	
<b>Chain</b>	KMC 410, 1/2x1/8"	90L length
<b>Front wheel</b>	62287	
<b>Front hub</b>	Alloy fat body, sealed	
<b>Front tire</b>	Freestyle	20 x 2.0
<b>Rear wheel</b>	62288	
<b>Rear hub</b>	Alloy fat body, sealed	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.
<b>Rear tire</b>	Freestyle	20 x 2.0
<b>Tubes</b>	Schraeder valve	
<b>Rims</b>	Aluminum alloy	
<b>Spokes</b>	14G UCP	48 spokes/183 front/183/182 rear(D/ND)/3x
<b>Saddle</b>	Fisher Freestyle	
<b>Seatpost</b>	Fisher, chrome plated	25.4 mm diameter
<b>Seat binder</b>	Alloy 2 bolt	
<b>Additionals</b>	Odyssey Gyro rotor, chainguard (62719)	
<b>Colors</b>	Gloss Black	
<b>Frame sizes</b>		
<b>Handlebar width</b>	62689	
<b>Stem length</b>	35	
<b>Crank length</b>	62690	
<b>Seatpost length</b>	170	
<b>Steerer, mm</b>	62705	
<b>Head angle</b>	400	
<b>Seat angle</b>	62701	
<b>MM</b>	<b>Standover</b>	
	Seat tube	203
	Head tube	100
	Eff top tube	482
	Reach	516
	Chainstays	375
	BB height	
	Offset	
	Trail	
	Wheelbase	926
<b>IN</b>	<b>Standover</b>	
	Seat tube	8.0
	Head tube	3.9
	Eff top tube	19.0
	Reach	20.3
	Chainstays	14.8
	BB height	
	Offset	
	Trail	
	Wheelbase	36.5

# PURE BENDER KICK

Our Price: \$

<b>Main tubes</b>	Cro-Moly	<b>42</b>
<b>Stays</b>	High tensile steel	
<b>Fork</b>	Cro-Moly	
<b>Headset</b>	Steel w/Odyssey Gyro	21.2/32.5/27.0, 39.0 mm stack
<b>Handlebars</b>	Fisher Freestyle	25.4mm clamp diameter
<b>Stem</b>	Alloy 4 bolt	21.2 mm insertion
<b>Grips</b>	Fisher logo, Kraton w/replaceable endcaps	
<b>Brakes</b>	Dia-Compe 990/R, Bulldog/F	
<b>Brake levers</b>	Chang Star 257A-1	
<b>Crankset</b>	One piece type, 42T	
<b>Bottom bracket</b>	One-piece type	24 TPI
<b>Pedals</b>	LU-313	1/2" axle
<b>Cassette</b>	18T	
<b>Chain</b>	KMC 410A, 1/2x1/8"	90L length
<b>Front wheel</b>		
<b>Front hub</b>	Alloy fat body, sealed	
<b>Front tire</b>	Freestyle	20" x 2.0
<b>Rear wheel</b>		
<b>Rear hub</b>	Alloy fat body, sealed	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.
<b>Rear tire</b>	Freestyle	20" x 2.0
<b>Tubes</b>	Schraeder valve	
<b>Rims</b>	Aluminum alloy	
<b>Spokes</b>	14G UCP	48 spokes/183 front/183/182 rear(D/ND)/3x
<b>Saddle</b>	Fisher Freestyle	
<b>Seatpost</b>	Fisher, chrome plated	25.4 mm diameter
<b>Seat binder</b>	Alloy 2 bolt	
<b>Additionals</b>	Chainguard (62719)	
<b>Colors</b>	Bright Red	
<b>Frame sizes</b>		
<b>Handlebar width</b>	62689	
<b>Stem length</b>	35	
<b>Crank length</b>	62690	
<b>Seatpost length</b>	175	
<b>Steerer, mm</b>	62704	
<b>Head angle</b>	400	
<b>Seat angle</b>	62701	
<b>MM</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	203 100 482 516 375  926
<b>IN</b>	Standover Seat tube Head tube Eff top tube Reach Chainstays BB height Offset Trail Wheelbase	8.0 3.9 19.0 20.3 14.8  36.5

**Our Price: \$**

**QUICK PIERCE**

<b>Main tubes</b>	Cro-Moly		<b>44</b>
<b>Stays</b>	Cro-Moly		18
<b>Fork</b>	Cro-Moly		49
<b>Headset</b>	62789 Dia-Compe SE-1 Aheadset	25.4/34.0/30.0, 24.5 mm stack	
<b>Handlebars</b>	Fisher Pro, CroMoly	25.4mm clamp diameter	
<b>Stem</b>	Alloy 4 bolt Ahead	30.0 mm steerer clamp height	
<b>Grips</b>	62784 Fisher logo, Kraton w/replaceable endcaps		
<b>Brakes</b>	62710 Lee Chi 761A		
<b>Brake levers</b>	62693 Lee Chi 316A		
<b>Crankset</b>	One piece CroMoly, 2pc. spider and sprocket, 44T, 110 mm bolt hole circle		
<b>Bottom bracket</b>	62703 One-piece type	24 TPI	
<b>Pedals</b>	62707 LU-313	1/2" axle	
<b>Cassette</b>	62774 16T		
<b>Chain</b>	54006 KMC 410A, 1/2x1/8"	90L length	
<b>Front wheel</b>	62291 Alloy		
<b>Front hub</b>	62777 Knobby	20" x 2.125	
<b>Front tire</b>			
<b>Rear wheel</b>	62292 Alloy	Threaded, 1 spd, nutted front and rear , 110 mm O.L.D.	
<b>Rear hub</b>	62776 Knobby	20" x 1.75	
<b>Rear tire</b>			
<b>Tubes</b>	Schraeder valve		
<b>Rims</b>	Aluminum alloy		
<b>Spokes</b>	14G UCP	48 spokes/183 front/183/182 rear(D/ND)/3x	
<b>Saddle</b>	62696 Fisher Thrasher		
<b>Seatpost</b>	CroMoly microadjust, chrome plated, 25.4 mm diameter		
<b>Seat binder</b>	62717 Alloy 2 bolt		
<b>Additionals</b>	Fishbone UFO Rotor, chainguard (62719)		
<b>Colors</b>	Dirty Mustard		
<b>Frame sizes</b>	Pro-XL		
<b>Handlebar width</b>	62688		
<b>Stem length</b>	35		
<b>Crank length</b>	62691		
<b>Seatpost length</b>	175		
<b>Steerer, mm</b>	62704		
<b>Head angle</b>	400		
<b>Seat angle</b>	62791		
<b>152</b>			
<b>75.0</b>			
<b>74.0</b>			
<b>MM</b>			
<b>Standover</b>	203		
<b>Seat tube</b>	100		
<b>Head tube</b>	482		
<b>Eff top tube</b>	516		
<b>Reach</b>	375		
<b>Chainstays</b>			
<b>BB height</b>			
<b>Offset</b>			
<b>Trail</b>			
<b>Wheelbase</b>	876		
<b>IN</b>			
<b>Standover</b>	8.0		
<b>Seat tube</b>	3.9		
<b>Head tube</b>	19.0		
<b>Eff top tube</b>	20.3		
<b>Reach</b>	14.8		
<b>Chainstays</b>			
<b>BB height</b>			
<b>Offset</b>			
<b>Trail</b>			
<b>Wheelbase</b>	34.5		

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