

## Road Tandems

Components	Joint Venture (26" or 700c)	In-2-ition Road (26")	Grand Junction (26")			
<b>** Shifters:</b>	Campagnolo Chorus Ergo Carbon	Campy Veloce Ergo	Shimano Tiagra STI			
<b>Rear Derailleur:</b>	Modified Sram X-9	Modified Sram X-7	Shimano Deore			
<b>Front Derailleur:</b>	Campy Triple	Campy Triple	Custom Compact			
<b>Brakes:</b>	Avid 1D-7 w/ Travel Agent & Booster	Avid 1D-5 w/Travel Agent	Avid BB7 Disc w/203mm rotor			
<b>Front Bars:</b>	Bontrager Race Lite OS drop bars	Bontrager Select OS drop bars	Anatomic Alloy drop bars			
<b>Rear Bars:</b>	Profile Stoker bars	Profile Stoker bars	Profile Stoker bars			
<b>Front Stem:</b>	Bontrager Race X-Lite OS	Bontrager Race X-Lite OS	NVO Adjustable			
<b>Rear Stem:</b>	Control Tech adjustable	Control Tech adjustable	Control Tech adjustable			
<b>Cranks:</b>	da Vinci - any length (see back)	Sugino XD 175 and/or 170mm	Sugino XD 175 front, 170mm rear			
<b>Rear Cogs:</b>	11-32 9sp	11-32 9sp	11-32 9sp			
<b>Chainrings:</b>	Shimano Hyperglide 12-18-24-30 is equivalent to 24-36-48-60		14-21-28 (equivalent to 28-42-56)			
<b>Front Hub:</b>	White Industries M15 Racer	White Industries M15 Racer	40h Disc			
<b>Rear Hub:</b>	White Industries Tandem Disc 145mm	White Industries Tandem Disc 145mm	40h Disc 145mm			
<b>QR:</b>	Salsa Flip-Offs	Salsa Flip-Offs	Formula			
<b>Rims:</b>	da Vinci V-22 : 26" 36h (700c 40h)	Alex DM-18	Alex DA16 40h			
<b>Tires:</b>	Schwalbe Stelvio 1.1" (Vittoria on 700c)	Panaracer Pasela 1.25"	Kenda Kwick Roller Sport 1.25"			
<b>Seatposts:</b>	Thomson Elite / Thudbuster ST	Kalloy Uno front & rear	Kalloy Uno front & rear			
<b>Saddles:</b>	Sella Italia TransAm X2 & Lady	Sella Italia TransAm X2 & Lady	Velo w/ cutout			
<b>Price:</b>	<b>Price</b>	<b>*Add S&amp;S Couplers:</b>	<b>Price</b>	<b>*Add S&amp;S Couplers:</b>	<b>Price</b>	
<b>Chro-Mo:</b>	\$4,700	\$1,600 Stainless	\$3,850	\$1,600 Stainless	\$2,850	Couplers Not Available
<b>*** Aluminum Frame</b>	\$5,200		\$4,350			
<b>Titanium Frame:</b>	\$7,700	\$3,000 Titanium				
<b>Carbon Fiber:</b>	\$7,700	Couplers Coming Soon				
<b>Calfee Carbon:</b>	\$8,700	\$2,100 for Aluminum couplers				

**\* Global models are built with S&S Couplers for travel. Included in the price are:**

Couplers, re-usable frame padding, spanner wrench, Easy-Split cable separators, self extracting crank bolts, & DuPont Teflon grease.

**\*\* Road Tandems now available with Shimano STI shifters. Modified SRAM X.9 Rear Dearilleur \$130**

For those want Shimano STI shifters or can't make the switch to Campy, we can now build the Joint Venture with Ultrgra triple 9sp STI.

You will give up the fourth chainring. You should still have a higher range than most tandems with aproximately 22 to 130 +/- gear inches.

**\*\*\* All new 7005 Aluminum frames for 2009 - Now in stock!**

## Grand Junction

*Great Quality at a great price - This is our new price-point chrome-moly tandem.*

Sizes: Small, Medium, or Large/Small Colors: Metallic red or metallic blue

Custom frame sizes, custom paint and S&S Couplers are not available on the Grand Junction



**da Vinci**  
DESIGNS

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FAX 303.934.4915

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*\* Specs. & prices subject  
to change without notice.*

## Off-Road Tandems / Hybrid

Components	<i>Joint AdVenture</i>		<i>In-2-ition Off-Road</i>	
<b>Shifters:</b>	Sram Grip Shift X-9		Sram Grip Shift X-7	
<b>Rear Derailleur:</b>	Sram X-9		Sram X-7	
<b>Front Derailleur:</b>	Campy Triple		Campy Triple	
<b>Brakes:</b>	Avid 1D-7 W/ Rear Stiffy Brake Boost		Avid 1D-5	
<b>Front Bars:</b>	Profile Bar None w/ bar ends		Profile Bar None	
<b>Rear Bars:</b>	Profile Stoker bars		Profile Stoker bars	
<b>Front Stem:</b>	Bontrager (front loading)		Bontrager (front loading)	
<b>Rear Stem:</b>	Control Tech adjustable		Control Tech adjustable	
<b>Cranks:</b>	da Vinci - any length (see back)		Sugino XD 175 and 170mm	
<b>Rear Cogs:</b>	11-32 9sp		11-32 9sp	
<b>Chainrings:</b>	Shimano Hyperglide 12-18-24-30 is equivalent to 24-36-48-60			
<b>Front Hub:</b>	White Industries M15 Racer		White Industries M15 Racer	
<b>Rear Hub:</b>	White Industries Tandem Disc		White Industries Tandem Disc	
<b>QR:</b>	Salsa Flip-Offs		Salsa Flip-Offs	
<b>Rims:</b>	da Vinci Designs V-22 36h		Sun CR18 40h	
<b>Tires:</b>	Schwalbe Marathon Racer 1.5"		Schwalbe Marathon HS 368 1.5"	
<b>Seatposts:</b>	Thomson Elite / Thudbuster ST		Kalloy Uno front & rear	
<b>Saddles:</b>	Sella Italia TransAm X2 & Lady		Sella Italia TransAm X2 & Lady	
<b>Price:</b>	<b>Price</b>	<b>*Add S&amp;S Couplers:</b>	<b>Price</b>	<b>*Add S&amp;S Couplers:</b>
<b>Chro-Mo:</b>	\$4,500	\$1,600 Stainless	\$3,700	\$1,600 Stainless
<b>Aluminum Frame:</b>	\$5,000		\$4,200	
<b>Titanium Frame:</b>	\$7,500	\$3,000 Titanium		
<b>Carbon Fiber:</b>	\$7,500	Couplers Coming Soon		
<b>Calfee Carbon:</b>	\$8,500	\$2,100 for Aluminum		



Components	<u>Front Suspension</u>		<u>Full Suspension</u>	
	<i>Symbiosis XC w/ disc brakes</i>		<i>Symbiosis</i>	
<b>Forks:</b>	White Brothers Magic 100 Tandem		White Brothers Magic 100 Tandem	
<b>Rear Shock:</b>	Thudbuster seatpost		FOX Float RP3	
<b>Shifters:</b>	Sram Grip Shift X-9		Sram Grip Shift X-9	
<b>Rear Derailleur:</b>	Sram X.9		Sram X-9	
<b>Front Derailleur:</b>	Custom Compact		Custom Compact	
<b>Brakes:</b>	Avid Juicy or BB7 Disc		Avid Juicy or BB7 Disc	
<b>Front Bars:</b>	Bontrager w/ bar ends		Bontrager w/ bar ends	
<b>Rear Bars:</b>	Profile Stoker bars		Profile Stoker bars	
<b>Front Stem:</b>	Bontrager Race X-Lite OS		Bontrager Race X-Lite OS	
<b>Rear Stem:</b>	Control Tech adjustable		Control Tech adjustable	
<b>Cranks:</b>	da Vinci - any length (see back)		da Vinci - any length (see back)	
<b>Rear Cogs:</b>	11-34 9sp		11-34 9sp	
<b>Chainrings:</b>	Shimano Hyperglide 12-18-24-30 equivalent to 23-34-45-57			
<b>Hubs:</b>	White Industries Tandem Disc		White Industries Tandem Disc	
<b>Rims:</b>	da Vinci Designs V-22		da Vinci Designs V-22	
<b>Tires:</b>	Many to choose from		Many to choose from	
<b>Saddles:</b>	Sella Italia TransAm X2 & Lady		Sella Italia TransAm X2 & Lady	
<b>Price:</b>	<b>Price</b>	<b>*Add S&amp;S Couplers:</b>	<b>Price</b>	
<b>Chro-Mo Frame:</b>	\$5,800	\$1,600 Stainless	Aluminum frame w/ ChroMo Rear	
<b>Aluminum Frame:</b>	\$6,300		\$7,500	
<b>Titanium Frame:</b>	\$8,800	\$3,000 Titanium		

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Couplers, re-usable frame padding, spanner wrench, Easy-Split cable separators, self extracting crank bolts, & DuPont Teflon grease.

# Tandem Options, Upgrades, and Additions

**Bold** Items are standard equipment

Cranks Sugino XD 175mm or 170mm front or rear, your choice  
da Vinci Direct Drive: 180, 175, 172.5, 170, 167.5, 165, 160, 150mm, Three hole 130/150/170mm

Tires **Actual Width**  
**Schwalbe Stelvio 1.1" Kev.** 1.1" (28mm) Great stable road tire, fast, ok puncture resistance 240g  
 Panaracer Pasela 1.25" 1.13" (29mm) Great stable road tire, fast, ok puncture resistance 280g  
 Continental Ultra Gatorskin 1.06" (27mm) Another great road tire. Not the lightest, but more durable 305g  
 Schwalbe Marathon Plus 1.35" 1.35" (34mm) Heavy (710g) and nearly flat-proof  
**Schwalbe Marathon HS 368 1.5" 1.53" (39mm)** Some tread, tough, rolls well  
**Schwalbe Marathon Racer 1.5" 1.53" (39mm)** Light and fast for a wider tire. Very light tread  
 Mountain or other tires Several to choose from.  
**Vittoria Rubino Pro** 28mm Great road tire. This is the tire we use on all 700c tandems.

Bontrager Race X-Lite Stem 7 or 17 deg. rise 60, 70, 80, 90, 100, 110, 120, 130mm, 140mm extension  
25 or 40 deg. rise 90, 105, 120mm

Control Tech Adjustable Stoker  
Shipped it with a long extension (200-255mm) that can be cut down. We can pre cut it at your request.

Spare, Long Stoker Boom Fits into adjustable stoker stem for easy switching between adult & child.

Stoker Handlebars **Profile Stoker Bars** Multi-position with good extension.  
 Profile T2 Wing Stoker Bars. 44cm only 31.8mm clamp \$50  
 Profile Cobra Wing Carbon Fiber Stoker Bars \$210  
 Drop Bars 46cm wide to clear the captain's hips & Cane Creek stoker levers. \$48

Stoker Seatpost **Kalloy UNO** 277g  
**Thudbuster ST** 440g. Requires 98mm from seat tube to seat rails. \$125  
 Thudbuster LT 565g. Most travel. Requires 144mm from seat tube to seat rails. \$125

Saddles **Sella Italia X2 TransAm and Lady TransAm** Great saddles with pressure relief cut-out  
 WTB ProGel, Men's and/or Women's Gel inserts and a groove for pressure relief  
 Terry Fly or Butterfly with Chro-Mo rails \$35  
 Terry Fly or Butterfly with Titanium rails \$100  
 Planet Bike ARS Men's and Women's. Big fat saddles w/center grooves and cutout. N/C  
 Planet Bike Comfort Gel, same as above with gel inserts and lycra cover and recessed center. N/C

Avid Mechanical Disc Brake Replaces rim brake, available front and/or rear. Very strong, highly recommended. \$150 ea \$150 ea

Wound Up Carbon Fiber Fork Save weight, increase comfort, and lateral rigidity. ( 26", 700c, or disc ) \$425 \$425

Reynolds Ouzo Tnd. Fork 700c Save 250g with included caliper brake over WoundUp. Limited tire clearance. \$425 \$425

Rolf Vigor Tandem Wheels Save rotational mass. Available on 700c Joint & Global Ventures. Disc available N/A \$550

Titanium Bottom Bracket Titanium spindle, carbon fiber body, aluminum cups. Save 110g per tandem \$65 ea \$65 ea

Chris King or Cane Creek 110 Headset The Cane Creek has a 110 year warrantee \$110 \$80

White Industries ENO Freewheels Precision, sealed, freewheel upgrade for the Independent Coasting \$170 \$170

**We have many other parts available and would be happy to consult with you to build the best tandem to fit your needs.**

## Custom Paint Options

None stock color \$60 each +/-  
 Pearl added to clear coat \$50  
 House of Kolor Kandy colors \$100  
 Two color fade \$100  
 Three color fade \$150  
 Kameleon (Shade Shifter) \$200  
 Flames or similar masking \$250 +/-

## ----- Upgrade Packages -----

*No substitutions or further discounts for deleted upgrades.*

<b>Package #1 Includes:</b> \$625	<b>Package #2 Includes:</b> \$750
Wound Up Carbon Fiber Tandem Fork	All of Package #1 plus:
Avid BB7 203mm Rear Disc Brake	Avid BB7 203mm Front Disc Brake
Chris King or Cane Creek 110 Headset	
Two color fade or House of Kolor Kandy paint	

**New Package #1 Option for 700c Joint Venture only \$625**  
 Reynolds Tandem Fork and Caliper Brake. All other #1 upgrade are included.  
 Save 250g over WoundUp

<i>In-2-ition</i>	<i>Top **</i>
<b>Models</b>	<b>Models</b>
N/C	N/C
\$180 ea	N/C
\$20 ea	N/C
N/C	N/C
\$10 ea	N/C
\$20 ea	N/C
N/C	N/C
\$20 ea	N/C
N/A	N/C
N/C	N/C
N/C	N/C
N/C	N/C
\$45	\$45
N/C	N/C
\$50	\$50
\$210	\$210
\$48	\$48
N/C	
\$125	N/C
\$125	N/C
N/C	N/C
	N/C
\$35	\$35
\$100	\$100
N/C	N/C
N/C	N/C
\$150 ea	\$150 ea
\$425	\$425
\$425	\$425
N/A	\$550
\$65 ea	\$65 ea
\$110	\$80
\$170	\$170

# Components

September 2009

		<b>Retail</b>
<u>Direct Drive Cranks</u>	Available in 180, 175, 172.5, 170, 167.5, 165, 160, 150mm, Three Hole (170-150-130)	
	Single bike or Tandem front - - - - -	\$220
	Single bike with alloy inner chainring bolts & spacers for using triple chainrings - - - - -	\$230
	Tandem rear with two spiders, spacers and inner chainring bolts - - - - -	\$260
<u>Complete Tandem Crankset</u>	Any lengths, 34t timing ring/spider, & ramped & pinned chainrings (see choices) - - - - -	\$550
<u>Little Stoker Kid Cranks</u>	Re-machined Shimano XT cranks with 125 and 145mm pedal holes - - - - -	\$85
<u>Child Kit</u>	Sliding bottom bracket shell and bottom bracket spindle (Works great with 3 hole cranks) - - - - -	\$158
	Above kit with Little Stoker Kid Cranks and 34 or 38t timing chainring - - - - -	\$245
<u>Bottom Bracket JIS Square</u>	Top quality - Chromo Spindle, Carbon Fiber Body & Aluminum Cups - - - - -	\$38
<u>Titanium Bottom Bracket</u>	Same as above with Titanium spindle (103, 107, 110, or 118mm) - - - - -	\$105
<u>Stiffy brake boosters</u>	Specify size (Large or Small) when ordering - - - - -	\$28
<u>Easy-Split cable separators</u>	Kit with (2) shifters, (1) brake cable separator and (1) Allen wrench - - - - -	\$32
	Kit with (2) shifters and (1) Allen wrench - - - - -	\$23
	Kit with (1) brake cable separator and (1) Allen wrench - - - - -	\$12
	Handlebar Shifter switch kit w/ (2) shift cable separators, (2) extra male halves, (1) Allen wrench - - - - -	\$34
	Handlebar Brake switch kit w/ (1) brake cable separator, (1) extra male halve, (1) Allen wrench - - - - -	\$18
<u>V-22 Rim</u>	26" (32 or 36 hole) 495 grams, ERD 532 - - - - -	\$45
	700c (36 or 40 hole) 560 grams, ERD 594- - - - - Out of stock - Check web site for updates - - - - -	NA
<u>Complete Tandem Wheels</u>	Professionally hand built for years of trouble free service.	
	26" V-22 Rims, White Industries hubs (135,140, or 145mm rear Disc or Drum) 14/15g - - - - -	\$535
	700c Velocity Dyad Rims, White Industries hubs (135,140, or 145mm rear Disc or Drum) 14/15g - - - - -	\$600
	Add \$30 for front disc hub & 13/15g spokes - We use Sapim spokes.	\$30
<u>Control Tech Stoker Stems</u>	Black adjustable length - 29.8 or 31.6mm seatpost , 25.4 /26mm or 31.8mm H.B. Clamp - -	\$95
	Spare/Replacement Long Boom (25.4/26mm or 31.8mm clamp) - - - - -	\$40
	27.2mm or 28.6mm shims to clamp to different size seatposts - - - - -	\$5
<u>Modified SRAM Derailleur</u>	Works with Campagnolo Ergo shifters and wide range Shimano compatible cassettes.	
	Modifies SRAM X.9 long or medium cage rear derailleur - - - - -	\$130

## Tools, Accessories & Replacement Parts

<u>DFB Tool</u>	Used to take the intermediate shaft apart and change or re-pack bearings or replace drive gears. - - - - -	\$14.00
<u>Replacement 34 tooth spider/chainring</u>	- Long wearing 7075-T6 Timing chainrings for da Vinci cranks only. - - - - -	\$38.50
<u>17 or 18 tooth Custom ACS freewheel</u>	Left side freewheels for independent coasting. - - - - -	\$16.50
<u>White Industries Freewheels</u>	This is a kit to replace the parts on an existing da Vinci. - - - - -	\$220.00
<u>Shimano HG93 9sp Chain - Kit</u>	of three, pre-cut chains with quick link to fit your da Vinci. - - - - -	\$68.00
<u>NEW - da Vinci Custom Eccentric.</u>	139g - - - - -	\$118.00
<u>Tandem Topper Car Rack w/lock</u>	Easy, one person loading; free shipping with bike. - - - - -	\$435

## Travel Cases & Accessories (Case prices are valid with S&S bicycle purchase)

<u>S&amp;S Butterfly Latch 10" Hard Travel Case, Edge Pull 26" X 26" X 10"</u>	- - - - -	\$385
<u>S&amp;S Butterfly Latch 10" Hard Case, Combo Edge and Side Pull 26" X 26" X 10"</u>	- - - - -	\$420
<u>S&amp;S Standard 12" Hard Travel Case, Edge Pull 26" X 26" X 12"</u>	- - - - -	\$460
<u>S&amp;S Deluxe 10" Hard Travel Case,</u>	Wider wheel placement (Side Pull) and convenient pull out handle - - - - -	\$550
<u>S&amp;S Deluxe 12" Hard Travel Case,</u>	Wider wheel placement (Side Pull) and convenient pull out handle - - - - -	\$585
<u>Tri-All-Three Sports Wheel Safe Pro</u>	Just drop your wheels in and go. Great for disc brake wheels - - - - -	\$355
<u>S&amp;S Frame Padding</u>	- Sold in 10' Rolls: 6.5" wide \$25.50 - 7.5" wide \$30.25 - 9" wide \$33.25	
<b>New</b> - Travel Padding - <u>Crank Bag</u>	for left crank with timing ring . You need two for a tandem. - - - - -	\$16
<b>New</b> - Travel Padding - <u>Drivetrain cover</u>	(For da Vinci tandems only). Works with the bike assembled or packed for travel - - - - -	\$24
<u>Compression Member</u>	S&S Case reinforcement. Some people use none others use up to four in a case. - - - - -	\$9
<u>Security NET</u>	TSA inspectors can inspect the contents of you case without disturbing your packing job. - - - - -	\$35
<u>S&amp;S Spanner/Pedal Wrench</u>	Standard (6" long) or Extra Long (12") available. - - - - -	\$25
<u>DuPont Teflon Grease for S&amp;S Couplings</u>	The only S&S Machine approved lube for their couplers - - - - -	\$16