



INTENSE
CYCLES · USA

USER MANUAL | CARBINE 275

WELCOME TO THE FAMILY

AT INTENSE. WE HAVE ONE GOAL - TO PROVIDE THE RIDE OF YOUR LIFE.

Our team of designers, engineers and product experts are focused on one thing every day: your experience on the bike. We build bikes that are as thrilling to look at as they are to ride, and we build them for the select few of you who understand the difference and refuse to settle for anything else.

From the early days of Intense, when founder Jeff Steber worked alone in his garage to today, where a crew of talented people work in a Temecula, CA factory, Intense has been a brand built on passion by forward thinkers who, even today, love nothing more than to throw a leg over a sweet bike and head out for a rip. We're so glad you've joined us.

Welcome to Intense, we hope it's the ride of your life.

THE CARBINE 275

For the trail, all mountain or endure riders, the Carbine 275 has the perfect blend of stability and travel options for any type of terrain. The oversized 1.5 lower headset contact point keeps you pointing exactly where you want to go and the ACB, 15mm collet axle system holds it all together with precision. The Carbine 275 has been at the forefront of the 27.5" wheel revolution and holds all the key attributes and advantages of this wheel size.



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FRAME FEATURES / SPEC

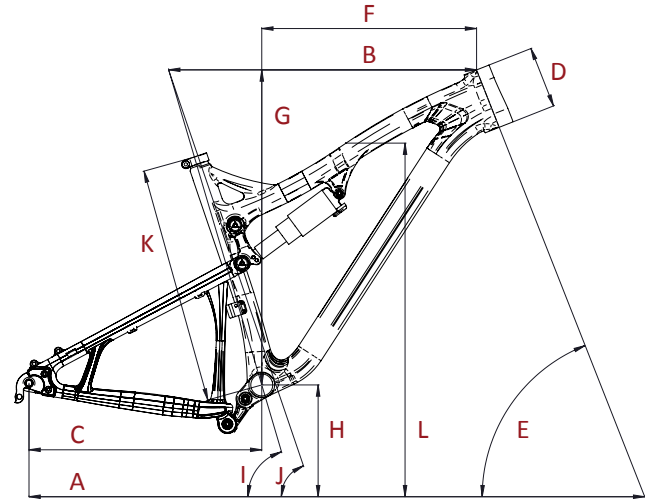
FRAME FEATURES //

- ADJUSTABLE TRAVEL – 5.5" OR 6" (135MM OR 150MM)
- PATENTED VPP SUSPENSION TECHNOLOGY
- 27.5 WHEEL SIZE
- AVAILABLE IN 26" CONFIGURATION
- G1 REPLACEABLE DROP OUT SYSTEM
- 5.5LBS FRAME WEIGHT (MEDIUM NAKED)
- INTEGRATED INTERNAL BRAKE AND DERAILLEUR CABLE ROUTING SYSTEM
- ANGULAR CONTACT/COLLET BEARING SYSTEM WITH REPLACEABLE GREASE ZIRKS
- INTERNAL CABLE ROUTING FOR DROPPER POSTS
- TAPERED HEAD TUBE
- ISCG 05 MOUNTS
- FLACK GUARD CHAIN STAY & DOWN TUBE PROTECTION
- H20 BOTTLE FITMENT

COMPONENT SPEC //

- FORK – ACCEPTS 1.125" STRAIGHT STEER OR 1.125"/1.5" TAPERED STEER, 150MM TRAVEL, 544MM LOWER LEG LENGTH, 44MM OFFSET
- SHOCK – 200MM X 57MM (7.875" X 2.25"), 22MM X 6MM AND 30MM X 6MM REDUCERS
- FRONT DERAILLEUR – DIRECT MOUNT, TOP PULL
- SEAT POST – 31.6MM
- HEADSET – ZERO STACK 44 UPPER / EXTERNAL CUP 49 LOWER
- REAR AXLE – 135MM QR OR 142MM X 12MM TA
- BRAKE MOUNT – INTERNATIONAL STANDARD FOR 160MM ROTOR

GEOMETRY

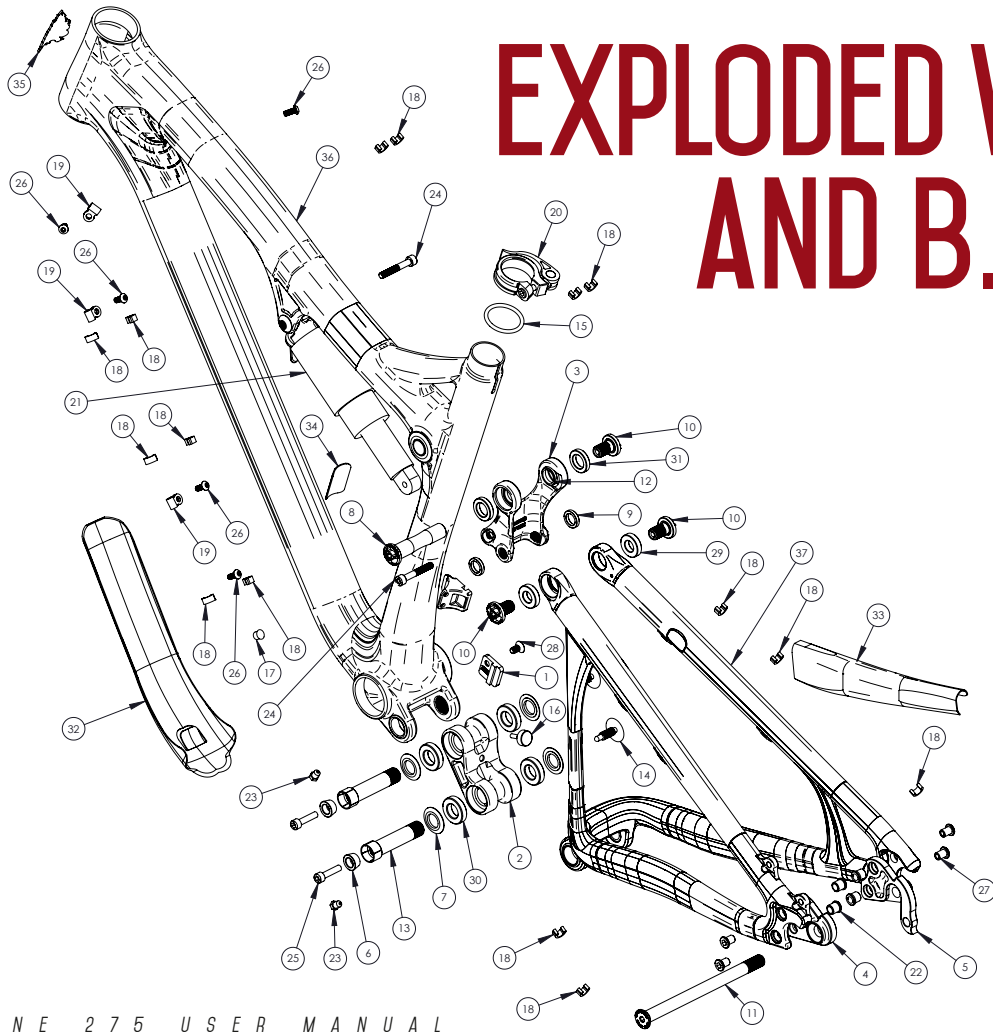


		SMALL	MEDIUM	LARGE
A	Wheel Base	1097 mm / 43.2"	1123 mm / 44.2"	1148 mm / 45.2"
B	Top Tube Length	559 mm / 22"	584 mm / 23"	610 mm / 24"
C	Chain Stay Length	432 mm / 17"	432 mm / 17"	432 mm / 17"
D	Head Tube Length	107 mm / 4.2"	114 mm / 4.5"	122 mm / 4.8"
E	Head Tube Angle	67°	67°	67°
F	Reach	387 mm / 15.25"	413 mm / 16.25"	438 mm / 17.25"
G	Stack	572 mm / 22.5"	584 mm / 23"	597 mm / 23.5"
H	BB Height	348 mm / 13.7"	348 mm / 13.7"	348 mm / 13.7"
I	Seat Tube Angle (Effective)	72.5°	72.5°	72.5°
J	Seat Tube Angle (Actual)	70.5°	70.5°	70.5°
K	Seat Tube Length	394 mm / 15.5"	445 mm / 17.5"	495 mm / 19.5"
L	Standover Height	783 mm / 30.8"	799 mm / 31.4"	808 mm / 31.8"

GEOMETRY NOTES

GEOMETRY TAKEN AT TOP OUT WITH 544MM FORK LENGTH, 44MM FORK OFFSET AND 27.5" WHEEL CONFIGURATION.

EXPLODED VIEW AND B.O.M.



ITEM NO.	ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE SPEC.
1	Derailleur Mount Cover	130209	For Single Chain Ring Setup	1	N/A
2	Box Link	130770	Forged Top Link	1	N/A
3	Top Link	130771C	Main Pivot Expander Cone	1	N/A
4	Left Dropout	130774	Dropout Forged G1 Left, Syntace X-12, 142mm Blk	1	N/A
5	Right Dropout	130775	Dropout Forged G1 Right, Syntace X-12, 142mm Blk	1	N/A
6	Cone Adjuster	130777	Main Pivot Expander Cone	2	N/A
7	Bearing Cap	130778	Main Pivot Bearing Cap	4	N/A
8	Axle Upper	130780	Top Link Pivot Axle	1	20 Nm / 175 in-lbs
9	Washer	130784	Top Link Pivot Lower Washer	2	N/A
10	Bolt Shoulder	130785	Top Link Pivot Bolt	3	20 Nm / 175 in-lbs
11	Rear Axle	130786	142 x 12mm Wheel Axle Kit	1	11 Nm / 100 in-lbs
12	Spacer	130789	Top Link Pivot Upper Spacer	2	N/A
13	Bolt Main Pivot	130791	Main Pivot 1.5t Expander Bolt Blk	2	7 Nm / 60 in-lbs
14	Plug	140004	Box Link Pivot Plug	2	N/A
15	Ring	140005	Ring Cock 1.5265 Blk	1	N/A
16	Bumper	140006	Box Link Bumper	1	N/A
17	Plastic Plug	140007	Plug Hole .3125	1	N/A
18	Clip Plastic	310001	Snap-on Cable Guide Single	15	N/A
19	Guide Plastic	310004	Bolt-on Cable Guide Single	3	N/A
20	Seat Collar	346939	QR 34.9 Blk	1	N/A
21	Shock	350332	Rear Shock 7.875 x 2.25	1	N/A

ITEM NO.	ITEM	PART NUMBER	DESCRIPTION	QTY.	TORQUE SPEC.
22	Nut	400012	Dropout Nut Steel 9.9 x 10.5L Blk UCP	4	N/A
23	Zerk Fitting	401011	M6 x 1.0	2	5 Nm / 40 in-lbs
24	SHCS M6 x 40	410002	Shock Bolt, Socket Head, M6 x 40	2	7 Nm / 60 in-lbs
25	SHCS M6 x 22	410009	Cone Adjuster Bolt, Socket Head, M6 x 22	2	14 Nm / 125 in-lbs
26	BHCS M5 X 12	410010	Guide Bolt, Button Head, M5 X 12	5	6 Nm / 54 in-lbs
27	Bolt	410030	Dropout Bolt Steel M8-0.75 x 10L Black UCP	4	8 Nm / 70 in-lbs
28	FHCS M6 x 12	410037	Derailleur Mount Cover Bolt, Flat Head, M6 x 12	1	7 Nm / 60 in-lbs
29	Bearing 6901	430001	12 x 24 x 6 2RS Radial Bearing	2	N/A
30	Bearing 7902	430007	15 x 28 x 7 2RS MAX Angular Contact Bearing	4	N/A
31	Bearing 6802	430008	15 x 24 x 5 2RS MAX Radial Bearing	2	N/A
32	Guard Flack DT	500180	Flack Guard Carbine 275C Down Tube	1	N/A
33	Guard Flack CS	500181	Flack Guard Carbine 275C Chain Stay	1	N/A
34	Decal California Bear	500300	Decal California Bear	1	N/A
35	Head Badge	500335	Head Badge Flame Logo	1	N/A
36	Front Triangle		Carbon, 3 Sizes	1	N/A
37	Rear Triangle		Carbon, 1 Size	1	N/A

ASSEMBLY

PREFACE //

Service and maintenance on an Intense bicycle requires special tools, abilities and knowledge of working on bicycles. It is always recommended to use an authorized Intense dealer for service and maintenance. Always wear eye protection. It is critical to use the proper tools, loctite, grease and torque specs during assembly. Failure to follow these instructions may result in serious bodily injury or death.

TOOLS NEEDED

- HIGH GRADE, WATERPROOF GREASE
(MAXIMA WATERPROOF GREASE RECOMMENDED)
- BLUE LOCTITE #243
- 5MM HEX WRENCH X2
- 8MM HEX WRENCH

RECOMMENDATION

USE GREASE ON LOWER LINKAGE BOLTS ONLY. USE LOCTITE ON UPPER LINKAGE BOLTS, DROPOUT BOLTS AND HANGER BOLT.





CONNECTING TOP LINK TO FRONT TRIANGLE //

A Holding top link (#130771) with shock mount pointed forward; hold upper spacer (#130789) against inside of bearing race.

B Match upper linkage to pivot point on top tube, making sure that spacers do not fall out (IMAGE #1).

C Using upper pivot axle (#130780), insert through non-drive side of top link bearing and push through to drive side bearing making sure spacers do not fall out. Then, apply loctite #243 to bolt (#130785) as well as upper axle threads, and thread bolt into axle from drive side using 5mm HEX wrench (IMAGE #2).

D Holding 5mm HEX wrench on non-drive side upper axle, insert torque wrench into bolt on drive side and tighten to 20 Nm / 175 in-lbs (IMAGE #3).

CONNECTING BOX LINK TO FRONT TRIANGLE //

A Hold bearing cap (#130778) with rounded edge facing outwards against bearings on linkage piece (IMAGE #4). See exploded view on page 6 for linkage orientation.

B Match link to front triangle pivot point and insert main pivot expander bolt with greased threads (#130791) through non-drive side of box link, holding bearing caps in place (IMAGE #5). Use 8mm HEX to install and torque bolt to 7 Nm / 60 in-lbs.



6



8



7



9



10

CONNECTING REAR TRIANGLE TO BOX LINK //

A Follow previous steps to connect rear triangle to box link (IMAGE #6 & 7).

CONNECTING REAR TRIANGLE TO TOP LINK //

A Insert shoulder bolts (#130779) through seat stay bearings. Hold lower top link washer (#130784) against inside race of seat stay bearing on top of shoulder bolt threads (IMAGE #8).

B Apply loctite #243 to female threads of top link (#130771). Match shoulder bolts to top link threads and tighten shoulder bolts to 20 Nm / 175 in-lbs making sure that each washer is in place between bearing and linkage (IMAGE #9).

INSTALLING REAR SHOCK //

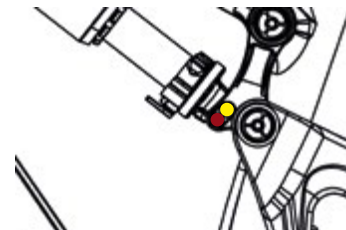
A Using rear shock, match forward end to forward shock mount and install M6x40mm bolt (#410002) through drive side of frame (IMAGE #10). Do not tighten.

B Match rear end of shock to desired travel setting (see below) on upper linkage and install M6x40mm bolt (#410002) through non-drive side of linkage.

C Tighten both M6x40mm (#410002) shock bolts in small increments until you reach approximately 7 Nm / 60 in-lbs.

ADJUSTABLE TRAVEL

THE UPPER LINKAGE FEATURES DUAL MOUNTING POSITIONS WHICH ALLOW YOU TO CHOOSE BETWEEN 150MM AND 135MM REAR TRAVEL. FOR MORE INFORMATION SEE THE SET UP GUIDE ON PAGE 13.





11



12



13



14



15



16

INSTALLING ADJUSTER CONES //

A Grease and insert cone adjuster (#130777) into head of main pivot expander bolt (#130791) with M6x22mm bolt (#410009) inserted through cone adjuster (IMAGE #11 & 12).

B Tighten M6x22mm bolt (#410009) with 5mm HEX and torque to 14 Nm / 125 in-lbs (IMAGE #13).

INSTALLING DERAILEUR HANGER //

A Locate the right and left G1 dropouts. The right dropout has the derailleur hanger built into it.

B Apply grease to the face of the dropout (IMAGE 14).

C Position dropout into the recessed area on the right side of the rear triangle. Insert the mounting bolt from the front and tighten into the nut (IMAGE 15).

D Using a chainring tool hold the dropout nut from behind while tightening the dropout bolt to 10NM (88 inch/lbs) using a 5mm hex (IMAGE 16).

E Repeat attachment steps for left side dropout.

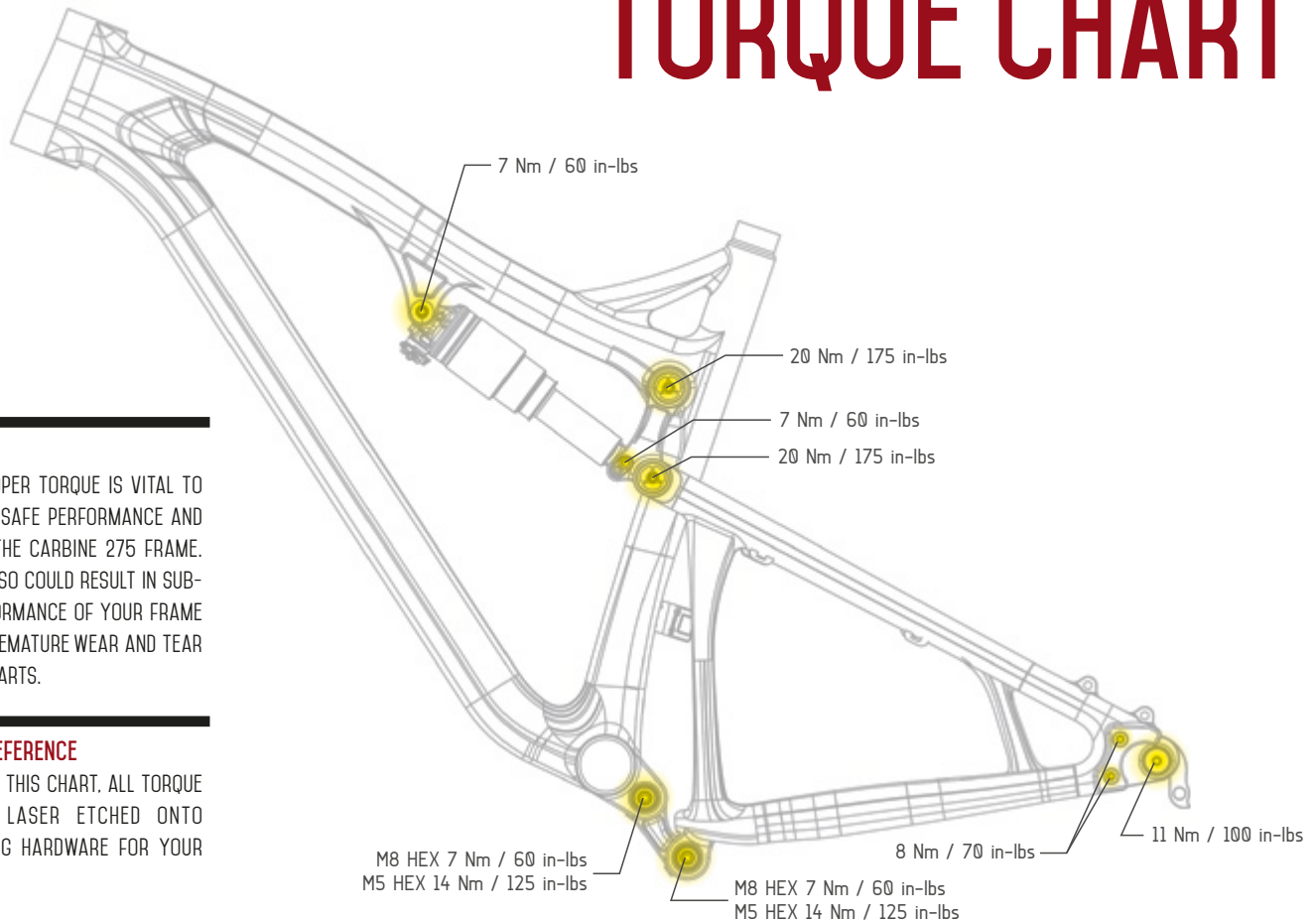
TORQUE CHART

TORQUE

ACHIEVING PROPER TORQUE IS VITAL TO ENSURING THE SAFE PERFORMANCE AND FUNCTION OF THE CARBINE 275 FRAME. FAILURE TO DO SO COULD RESULT IN SUB-OPTIMAL PERFORMANCE OF YOUR FRAME AS WELL AS PREMATURE WEAR AND TEAR OF INDIVIDUAL PARTS.

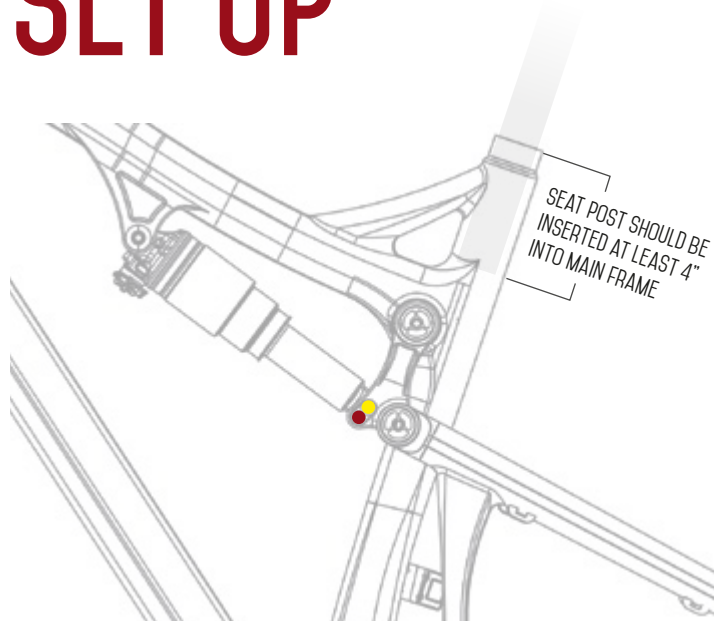
ADDITIONAL REFERENCE

IN ADDITION TO THIS CHART, ALL TORQUE VALUES ARE LASER ETCHED ONTO CORRESPONDING HARDWARE FOR YOUR REFERENCE.





SET UP



SEATPOST

MAKE SURE TO INSERT SEAT POST AT LEAST 4" INTO THE MAIN FRAME. ANYTHING LESS THAN THIS AMOUNT COULD CAUSE DAMAGE TO THE FRAME OR EVEN FAILURE.

ADJUSTABLE TRAVEL

- UPPER MOUNT: 150MM
- LOWER MOUNT: 135MM

SHOCK SETUP

X-FUSION, 02 RL, 200X57MM



SET UP AND TUNE

PROPER SET UP AND TUNING CAN VARY FROM SHOCK TO SHOCK. PLEASE CONSULT THE X-FUSION MANUAL INCLUDED WITH YOUR BIKE FOR COMPLETE INFORMATION ABOUT SET UP, TUNING AND GENERAL MAINTENANCE OR VISIT WWW.XFUSIONSHOX.COM

TRAVEL	135 MM		150 MM	
SHOCK STROKE	57 mm			
SHOCK SAG	20% when sitting on the bike			
FORK SAG	25-30% when sitting on the bike			
SHOCK	X-Fusion, 02 RL, 200x57 mm			
RIDER WEIGHT [LBS/KGS]	SPRING [PSI]	REBOUND [CLICKS OUT]	SPRING [PSI]	REBOUND [CLICKS OUT]
100 lbs / 45 kgs	63	1 to 2	82	1 to 2
110 lbs / 50 kgs	71		89	
120 lbs / 54 kgs	79		97	
130 lbs / 59 kgs	87		105	
140 lbs / 63.5 kgs	95		112	
150 lbs / 68 kgs	104	3 to 4	120	3 to 4
160 lbs / 72.57 kgs	112		127	
170 lbs / 77.11 kgs	120		135	
180 lbs / 81.65 kgs	128		143	
190 lbs / 86.18 kgs	136		150	
200 lbs / 90.72 kgs	144		158	
210 lbs / 95.25 kgs	152		166	
220 lbs / 99.79 kgs	161	173	5 to 6	
230 lbs / 140.33 kgs	169	181		
240 lbs / 108.86 kgs	177	188		
250 lbs / 113.40 kgs	185	196		
260 lbs / 117.93 kgs	193	204		
270 lbs / 122.50 kgs	201	211		
280 lbs / 127.00 kgs	210	219	5 to 6	
290 lbs / 131.54 kgs	218	227		
300 lbs / 136.08 kgs	226	234		



MAINTENANCE

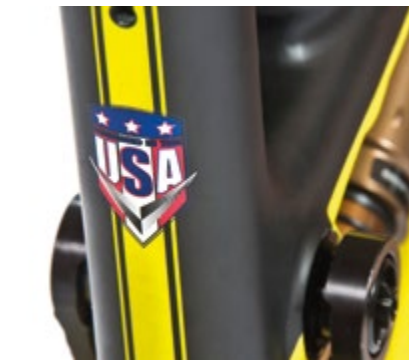
GENERAL SERVICE AND CARE //

You have purchased a high performance bicycle which requires a certain level of service and maintenance to sustain the level of performance your frame was designed around. Proper care will also ensure the bike is safe to ride at all levels. It is important to read and understand the carbon care information as well as follow the maintenance schedule and inspect your bicycle before each ride. These will not only help to limit or avoid costly repairs but will also help to avoid injury due to service neglect and component failure.

CARBON CARE

INTENSE CYCLES EMPLOYS ADVANCED COMPOSITE TECHNIQUES AND MATERIALS IN OUR FRAMES WHICH DO REQUIRE A CERTAIN LEVEL OF CARE AND MAINTENANCE TO ENSURE A SAFE EXPERIENCE AT THE HIGH LEVEL OF PERFORMANCE EACH FRAME IS DESIGNED AROUND. NOT FOLLOWING THESE GUIDELINES WILL DECREASE THE LEVEL OF PERFORMANCE AND POSSIBLY CAUSE INJURY OR DEATH.

- Use a soft cloth with warm soapy water to clean the carbon surfaces. Do not use abrasive cloths or cleaners.
- Be sure all frame surfaces in contact with cables are protected. Cable housing rubbing on carbon can wear over time.
- Be sure brake levers, handle bar ends and the fork crown do not contact the frame at full rotation.
- Never clamp any part of a carbon frame in a bike stand or car rack.
- Always inspect your frame if you experience any chain suck. Intense frames come equipped with steel chain suck plates but damage can still be done in the event of chain suck.
- Always inspect your frame in full after a crash to be sure there is no damage. Look for cracks, dents or loose fibers. If you discover damage in any degree it's best to have your frame inspected by a qualified Intense Cycles dealer. Any direct impact to the frame can cause serious structural damage.
- Use high grade waterproof grease on seat post, BB and head set bearing contact areas with the carbon.
- Never ream or face a carbon frame.
- Be sure to follow all recommended torque settings.



MAINTENANCE SCHEDULE *

	ACTION	EVERY RIDE	500 MILES OR 1 MONTH	2000 MILES OR 6 MONTHS	4000 MILES OR 1 YEAR
TIRES	Check air pressure, inspect tread and sidewalls for tears and punctures	X			
CHAIN	Brush off and lubricate	X			
BRAKES	Squeeze brakes and confirm function	X			
GENERAL	Clean complete bike of mud and debris		X		
HEADSET	Check adjustment		X		
BOX LINK	Add grease thru zerk fittings		X		
FRAME PIVOTS	Check torques		X		
SPOKES	Inspect for damage, check tension		X		
SHOCK AND FORK	Check air pressure, inspect for leaks		X		
DERAILEUR CABLES	Inspect and lube			X	
SEATPOST	Clean and regrease interface with frame			X	
FRAME PIVOTS	Remove pivot bolts, check bearings for pitting and wear			X	
HEADSET	Disassemble stem, headset and fork. Check bearings for pitting and wear			X	
HUBS	Pull wheels off, check hub bearings for pitting and wear			X	
BOTTOM BRACKET	Remove crank arms and check BB bearings for pitting and wear			X	
BRAKES	Replace brake pads			X	
CHAIN	Inspect for damage and check for stretching			X	
GENERAL	Complete Tune-Up				X
SHOCK AND FORK	Overhaul			See MFG Recommendations	

* THE ABOVE MAINTENANCE SCHEDULE IS ONLY A GUIDELINE. REFER TO COMPONENT MANUFACTURER FOR SPECIFIC INSTRUCTION ON MAINTAINING THEIR PARTS.



REGISTRATION

WWW.INTENSECYCLES.COM/WARRANTY-CARD/



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