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Valdora Cycles Composite Frame Care

Before you begin.....Notice – Valdora framesets / components should be assembled by a professionally certified bicycle mechanic who had experience working on bikes with internal cable routing. Please thoroughly review these instructions before beginning any work on this bike or beginning assembly. When utilizing a repair stand, a round 27.2 mm seat post must be inserted into the seat tube. The repair stand clamping mechanism should never clamp onto any portion of the frame. The clamping mechanism should interface with the seat post only! **Seat Post** The PHX frame requires a 27.2 mm diameter seat post. The required clamp is 30.0 mm. This size is offered by Valdora or by Salsa in the Lip Lock style. The seat post should be inserted a minimum of 70 mm from the top of the frames seat tube. Follow manufacturers instructions provided with seat post. Do not over tighten seat tube binder.

Head Set An integrated Cane Creek style, 1-1/8", 36/45 (such as a IS-2) headset is required. Grease the insides of the head tube where the bearings sit. Follow manufacturers instructions provided with headset.

Bottom Bracket Required bottom bracket - 68 mm and BSA threaded. Grease the face and threads prior to installation. LocTite or other thread binding substance should not be used! Follow the manufactures instructions for installation torque.

Front Derailleur Mounting Bracket Grease the threads of the mounting bolts before installing. Make certain the bolts are tightened enough to keep the bracket from moving during front derailleur shifts.

Drop Outs / Derailleur Hanger This frame is equipped with standard drop out spacing of 130 mm. Generally hubs requiring spacing of 128 mm to 132 mm can be used but no greater and no less. Do not attempt to compress, bend or cold set the drop out spacing! The rear derailleur hanger is replaceable. If at any time, the replaceable derailleur hanger is bent, stop riding immediately! Contact Valdora or your local dealer to acquire a replacement derailleur hanger.

Cable Routing The PHX frame comes with removable lengths of poly housing threaded through the top tube, down tube, and chain stay. You should have also received 8 black cable stopper inserts. Before you install your cables, you will need to precut your cable housing to the desired lengths and attach standard housing ferrules. Insert your cable through your pre-cut and ferruled housing, though a black stopper insert, and then through the removable housing already in the frame. Once the cable is all the way through, you may pull out the removable housing. Slide another black stopper insert on the cable and then the exit piece of cable housing with ferrule. Continue with the next housing. You do not have to install cable stoppers in the chain stay for the rear derailleur. If desired, you can run a continuous length of housing from the stopper at the bb shell through the chain stay. Use a 7 cm piece of brake housing for the section that feeds the front derailleur. **Do not use a ferrule** on the end of the housing that goes into the silver cable guide toward the front derailleur. **Save removable housing! Reverse cable install procedure sliding removable housing over the cable and twisting prior to removing cables for replacement. This will make replacing cables easier and faster.** To install cable housing if you accidentally removed the temporary housing, put a slight bend a few inches from the end of a piece of stiff wire and gently thread it into the frame until it reaches the other port. Thread housing over wire and push through opposite port. Gently remove wire from housing with out pulling wire through.

Finish Cleaning, washing, waxing compounds available from your local bicycle dealer can be used to keep your bicycle looking sharp. Never submerge your bike in water or spray with a hose. This can damage or decrease the life of your bicycle components. A damp rag and spray bottle will get the job done. If at some point you choose to repaint your Valdora frame – select a painter experienced in the art of painting carbon composite. Paint stripping compounds must NOT be used. Nor should the frame be sand blasted, bead blasted or stripped by any other method. The surface paint should be gently scuffed by hand with sand paper to prepare for painting. Chemical paint strippers or blasting can weaken the composite surface.

Failure to follow these instructions could result in serious injury or death. Only an experienced mechanic should assemble!