

BARGHEST FRAMESHEET

RETAILER: This framesheet MUST BE provided to the end user.

Thank you for purchasing a Barghest. We want to give you important information about your bike...

⚠ WARNING: CYCLING CAN BE DANGEROUS. BICYCLE PRODUCTS SHOULD BE INSTALLED AND SERVICED BY A PROFESSIONAL MECHANIC. NEVER MODIFY YOUR BICYCLE OR ACCESSORIES. READ AND FOLLOW ALL PRODUCT INSTRUCTIONS AND WARNINGS INCLUDING INFORMATION ON THE MANUFACTURER'S WEBSITE. INSPECT YOUR BICYCLE BEFORE EVERY RIDE. ALWAYS WEAR A HELMET.

⚠ WARNING: DO NOT USE SUSPENSION FORKS EXCEEDING 561 MM AXLE-TO-CROWN. DOING SO WILL VOID THE FRAME WARRANTY AND MAY RESULT IN DAMAGE OR FAILURE OF THE FRAME AND POSSIBLE SERIOUS INJURY.

Additional Product and Safety Information can be found at the website:
hellerbikes.com/safety



Intended Use: Condition 4, Extreme Off-Road Riding

This is a set of conditions for operation of a bicycle that includes Conditions 1, 2, and 3, or downhill grades on rough trails at speeds less than 40 km/h (25 mph), or both. Jumps are intended to be less than 122cm (48").

See hellerbikes.com/safety for complete list of use conditions.

Frame Compatibility

Design Wheel x Tire Size	27.5 x 3.0"
Alternative Wheel x Tire Size(s)	29 x 2.5"
Suspension Fork Length (Travel)	551–561 mm (140–150 mm Travel)
Rigid Fork Length	NA
Fork Offset	51 mm
Rear Shock	200.025 x 50.8
Rear Shock Tune	Custom tune
Shock Mount, Upper	30.0 x 8 mm
Shock Mount, Lower	25.4 x 8 mm
Pivot Kit	Heller Pivot Service Kit: FS2902
Bearings	Ø21 mm OD x Ø12 mm shaft x 5 mmT - 6801 bearings (QTY - 11) QBP #: BB8801
Headset, Upper	IS42
Headset, Lower	IS52
Seatpost	Ø31.6 mm
Seat Collar	Ø34.9 mm
Dropper Compatible (Routing)	Yes, internal
Front Derailleur Type	2x, Side Swing only
Front Derailleur Mount	High direct mount (29 mm Boost offset)
Bottom Bracket	73 mm BSA
Crankset (Max Ring)	1x: 32t max, 2x: 36/22t max
Rear Brake (Rotor)	74 mm post (160–180 mm)
Rear Spacing	148 x 12 mm TA
Rear Axle Size	Ø12 x 168.5, TP=1.75, TL=10
Derailleur Hanger	LTM-SO1-RD01-B
Bottle Mounts	XS: 0, S–XL:1
Rear Rack Mounts	No
Rear Fender Mounts	No
Accessory Mounts	No
Cable Routing	Internal routing via swappable ports

Care & Use

BOOST 148

Barghest is designed around the Boost 148 standard. What this means is the rear hub spacing is 148 mm and the chainline is increased 3 to 52 mm. Only 148 mm Boost-specific hubs and chainrings will fit. When selecting 1x and 2x chainrings and cranks, make sure they are designed for a 52 mm chainline. Standard 49 mm chainline cranks will not fit.

FRONT DERAILLEUR COMPATIBILITY + CHAINLINE

Barghest only has compatible internal routing for Shimano® Side Swing 2x direct mount front derailleurs. Barghest front derailleur bracket (not included) is required for front derailleur use.

CABLE ROUTING

All cables and housing are run internally through the frame. Barghest uses swappable screw-in cable ports to route the cables internally giving options for running hydraulic hose, mechanical brake housing, full shift housing in 1x or 2x, internal dropper posts, and electronic drivetrains in any combination you desire. Complete bikes come set-up for 1x drivetrains, internal dropper post, and hydraulic brake line.

CABLE INSTALLATION

To replace shift cables and housing, first pull the old shift cables out of the housing leaving the old housing in the frame. Then install a new cable into the old housing fully. Remove old housing from over new shift cable taking care to leave new cable in frame. Then install new housing over the new cable using the new cable as an easy guide for the housing through the frame.

When exiting the downtube by the shock, the dropper seatpost housing uses the center port on the top of the downtube. The rear brake line uses the port on the non-driveside of the downtube. Make sure the brake and dropper cables are routed in this way to avoid cables rubbing on the rear shock body.

Where the rear derailleur housing exits the bottom of the downtube, a narrow port is required for smooth action of the suspension and cables.

ELECTRONIC DRIVETRAINS

Barghest is compatible with Shimano Di2 electronic mountain drivetrains. Required for use is the Shimano Di2 Direct Mount FD Adapter SM-FD905-D. This mounts the Shimano Di2 front derailleur to the Barghest front derailleur mount.

MAINTENANCE

Dirt and road grime lead to oxidation and fading of the finish, and they make it hard to do a thorough inspection. Dirt will accelerate any abrasion of the paint that comes from rubbing, such as places where the cable housing touches the frame. In extreme cases, this type of abrasion could remove frame material. When your bicycle is not being ridden, store it where it will be protected from rain, snow, sun, etc. Rain or snow may cause the metal on your frame to corrode. If your bicycle was exposed to moisture during a ride, thoroughly dry the bicycle before storing it. If water got inside the frame, tilt the bicycle to drain the water. If necessary, remove the seatpost and turn the bicycle upside down. This is especially critical if there is a large amount of water inside. If water freezes inside your frame, the expansion of the ice can crack and rupture the structure. Before storing your bicycle for an extended period of time, clean and lubricate the frame with a frame wax, polish, or protectant. Do not store the bicycle near electric motors, as ozone from motors destroys paint.

Inspection

Before every ride carefully inspect your frame for signs of fatigue. If any frame part shows signs of damage or fatigue, consult your dealer or replace the frame before riding the bicycle.

⚠ WARNING: An improperly modified frame, fork, or component can cause you to lose control and fall. NEVER MODIFY YOUR FRAMESET.

⚠ WARNING: Attaching incompatible clamping devices to a fork or frame can lead to breakage, causing a loss of control. If you are not sure if a device is compatible, consult your dealer.

⚠ WARNING: Improper installation of bolts may lead to product failure, causing serious injury. Do not exceed specified torque values. Periodically inspect bolts and retighten if required

SERIAL NUMBER: _____

Get a pen and write down the serial number of your Heller frame immediately. The number is stamped into the bottom of the bottom bracket shell. Having this number is imperative if your bike ever gets stolen or if you ever have questions about your frame...we are constantly improving our products and sometimes the serial number is the only way to tell one generation of product from another.

Warranty Information

Proof of purchase is required before a warranty claim is processed. Heller Bikes therefore strongly encourages warranty registration at hellerbikes.com. Failure to register will not affect consumer rights under the limited warranty, so long as the consumer can show in a reasonable manner proof of original ownership and the date the Heller Bikes product was purchased.

If you have any questions contact support@hellerbikes.com