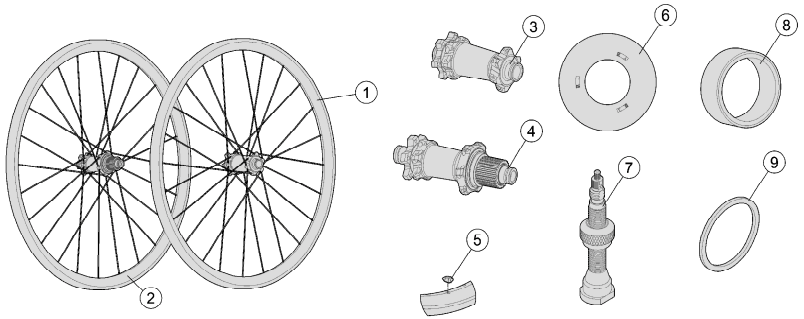
MTB Wheelset Installation Instructions

Published – Jul, 2025. ZS175.v5 © Full Speed Ahead

WWW.FULLSPEEDAHEAD.COM



Introduction

Congratulations on your Full Speed Ahead product. Please read these instructions and follow them for correct use. Failure to follow the warnings and instructions could result in damage to product not covered under warranty, damage to bicycle; or cause an accident resulting in injury or death. Since specific tools and experience are necessary for proper installation, it is recommended that the product be installed by a qualified bicycle technician. FSA assumes no responsibility for damages or injury related to improperly installed components.

Warranty

Full Speed Ahead (FSA) warrants all FSA, Vision products to be free from defects in materials or workmanship for a period of two years after original purchase unless otherwise stated in the full warranty policy. The warranty is non-transferable and valid to the original purchaser of the product only. Any attempt to modify the product in any way such as drilling, grinding, and painting will void the warranty. For more information on warranty policy and instructions for completing a warranty claim, check out the Full Warranty Policy found at our website:https://www.fullspeedahead.com/en/support/warranty-policy

Specification

FSA MTB Wheelset

Components

Follow the assembly order in the illustration:

① Front Wheel	④ Rear Hub	⑦ Tubeless Valve
② Rear Wheel	⑤ Valve Adapter	⑧ Tubeless Rim Tape
③ Front Hub	⑥ Spoke Protector	⑨ Cassette Spacer

NOTICE Components ⑧、⑨ includes for different spec accordingly

Installation

1. Install a clincher tire onto the Front ① and Rear Disc Wheel ② following the tire manufacturer's instructions. If the tire fit is tight and difficult, spray soapy water on tire bead.
2. Once tire and tube are installed, place the Valve adapter ⑤ onto the valve and tighten with the valve nut.
3. Lightly grease the Freehub Body and install cassette as instructed by cassette manufacturer. Wheels equipped with a Shimano HG freehub by use the cassette spacer ⑨ to compatible with 9, 10 cassettes.

NOTICE Components ⑨ is not included with Wheels equipped with a Shimano HG freehub. Optional Parts can be purchase from FSA distributors or dealers.

4. Wheels equipped with a Shimano Microspline Freehub Body are compatible with Shimano Microspline cassettes.
5. Wheels equipped with XD/XDR Freehub Body are compatible with Sram cassettes. Wheels equipped with Sram XDR Freehub need to use the cassette spacer ⑨ to compatible with Sram cassettes
6. Install disc brake rotor as instructed by manufacturer and tighten to manufacturer's recommended torque.

⚠ WARNING Periodically check disc rotor screws for correct torque. Improper tightening or loose rotor screws can cause the rider to lose control of the bike and may result in injury or death.

7. Install the front wheel ① and rear wheel ② into the fork or frame drop-outs by using a Through Axle system on your bicycle following manufacturer's instructions.

⚠ WARNING Check Through axle for tightness before every ride.

Tubeless Rim Tape Installation

1. Using a small piece of abrasive pad or emery cloth, rotate the wheel for one full rotation while scrubbing the spoke bed cavity to remove any small burrs and any glaze on the anodized finish.
2. Using a clean rag and isopropyl alcohol, clean the spoke bed of any dirt or oil then wipe the rim cavity with a dry rag. Ensure there is no lint or foreign matter collected at the spoke holes.
3. To start the application of the tubeless rim tape ⑧, locate the decal on the rim or the weld joint of the rim. Start the end of the tape above the weld, between two of the spoke nipple holes. Center the tape in rim cavity and press to adhere. Hold the tape at the starting point with one hand and pull the tape as tightly as possible with the other hand. The tape will make some popping sounds but will not stretch and break. Alternately lay the tape on the spoke bed and press or burnish the tape firmly with your fingers.
4. Repeat the procedure in Step 3 until you have wrapped the rim two complete times.
5. Overlap the starting point by about 4 inches (10 cm) and cut the tape.
6. Rotate the wheel one full revolution, pressing firmly with your fingers on the tape to make sure it has conformed to the rim cavity. Ensure no wrinkles in the tape.
7. Locate the valve hole and using a small knife or razor blade, carefully cut open the valve hole with a small "x." Trim the radius of the hole.
8. Install the tubeless valve ⑦ in to valve hole and secure firmly using the valve adapter and valve nut.

Model name	Model No	前輪輪輻張力 (kfg)		後輪輪輻張力 (kfg)	
		驅動邊	非驅動邊	驅動邊	非驅動邊
KFX i28 Carbon RD 700c / 29" Boost148 DB ISO 6-Bolt	WH-TX-901-9/148/DB	90~110	110~130	110~130	90~110
Gradient i29 700c / 29" Boost148	WH-TX-937-9/148/DB-CL	100~120	100~120	110~130	80~100
	WH-TX-937-9/148/DB				
Gradient i30 Enduro Carbon RD 700c / 29" Boost148 DB ISO 6-Bolt	WH-DH-970-9/148/DB	90~110	100~120	110~130	90~110
Gradient i30 Enduro Carbon RD 650b / 27.5" Boost148 DB ISO 6-Bolt	WH-DH-970-7/148/DB				
Gradient i30 Enduro Alloy 700c / 29" Boost148 DB ISO 6-Bolt	WH-DH-960-9/148/DB	110~130	70~90	110~130	70~90
Gradient i30 Enduro Alloy 650b / 27.5" Boost148 DB ISO 6-Bolt	WH-DH-960-7/148/DB				
Afterburner i25 700c / 29" Boost148 DB ISO 6-Bolt	WH-TX-925-9/148/DB	100~120	100~120	100~120	80~100
Afterburner i27 700c / 29" Boost148 DB Centerlock	WH-TX-919-9/148/DB-CL	100~120	100~120	110~130	80~100
Afterburner i27 700c / 29" Boost148 DB ISO 6-Bolt	WH-TX-919-9/148/DB				
GRID i27 700c / 29" Boost148 DB ISO 6-Bolt	WH-AM-961-9/148/DB	110~130	110~130	120~140	60~80
Comet i30 700c / 29" Boost148 DB ISO 6-Bolt	WH-TX-364-9/148/DB-CL	70~90	90~110	105~125	60~80
	WH-TX-364-9/148/DB	70~90	90~110	105~125	60~80
FSA NS SC i30 DB ISO 6-Bolt	WH-TX-725-9/148/DB	60~80	100~120	100~120	60~80
FSA NS SC i30 DB Centerlock	WH-TX-725-9/148/DB-CL	60~80	100~120	100~120	60~80
FSA NS TC i30 DB ISO 6-Bolt	WH-TX-726-9/148/DB	60~80	100~120	100~120	60~80
FSA NS TC i30 DB Centerlock	WH-TX-726-9/148/DB-CL	60~80	100~120	100~120	60~80
SL-K AGX i25 700c / 29" DB Centerlock	WH-TX-926-9/DB-CL	90~110	90~110	110~130	80~100
SL-K AGX i25 700c / 27.5" DB Centerlock	WH-TX-926-7/DB-CL	90~110	90~110	110~130	80~100
E-MTB i29 700c / 29" Boost148 DB	WH-TX-928-9/148/DB	90~110	90~110	100~120	80~100
E-MTB i29 650b / 27.5" Boost148 DB	WH-TX-928-7/148/DB				
E-MTB i30 JB 700c / 29" Boost148 DB	WH-TX-963-9/148/DB	90~110	90~110	100~120	80~100
E-MTB i30 DP 700c / 29" Boost148 DB	WH-TX-964-9/148/DB	90~110	90~110	100~120	80~100
E-MTB i30 DP 650b/27.5" Boost148 DB	WH-TX-964-7/148/DB				

⚠ WARNING Use a spoke tension measuring device to follow the tension specification as in the above chart. Maximum spoke tension must not exceed the tension specification. Using tension above max recommended tension will void warranty. If tension above maximum is necessary to true the wheel, the rim may be damaged and should be replaced. Rim failures can cause serious accidents.

Contact

If you have questions, please visit our web site technical section: https://www.fullspeedahead.com/en/support or contact:

FULL SPEED AHEAD EUROPE
VIA DEL LAVORO, 56
20874 BUSNAGO, (MB), ITALY
PH. +39 039 688 52 65

FULL SPEED AHEAD USA
12212 CYRUS WAY
MUKILTEO, WA 98275-5702
PH. +1 425 488 8653

FULL SPEED AHEAD ASIA
NO.6, WUGONG 8TH RD., WUFENG DIST.,
TAICHUNG CITY 41353
PH. +886 4 2331 9134

FULL SPEED AHEAD CHINA
ROOM A405, BUILDING 2, NO.88, BAIFU ROAD.,
KUNSHAN DEVELOPMENT ZONE
PH. +86 512 5702 2458

Notes: Specifications of product may be changed or improved for performance. Please refer to website periodically for technical updates and revised instructions.