

ZIPP

ZIPP Wheels Tubeless Tape and Rim Strip Replacement



SERVICE MANUAL

Warranty and Trademark

For SRAM Warranty information, visit: www.sram.com/warranty.

For SRAM Trademark information, visit: www.sram.com/website-terms-of-use.

TABLE OF CONTENTS

PARTS, TOOLS, AND SUPPLIES	6
3ZERO MOTO	7
RIM PREPARATION	7
RIM STRIP INSTALLATION.....	8
TUBELESS TAPE INSTALLATION	9
VALVE STEM INSTALLATION.....	10
101 XPLR.....	11
RIM PREPARATION	11
RIM STRIP INSTALLATION.....	11
TUBELESS TAPE INSTALLATION	13
VALVE STEM INSTALLATION.....	14
ROAD TUBELESS & 1ZERO HITOP WHEELS	15
RIM PREPARATION	15
TUBELESS TAPE INSTALLATION	16
VALVE STEM INSTALLATION.....	17
TUBELESS TIRE INSTALLATION.....	18



SAFETY FIRST!

We care about YOU. Please, always wear your safety glasses and protective gloves when servicing Zipp products.

Protect yourself! Wear your safety gear!

Zipp Service

We recommend that you have your Zipp components serviced by a qualified bicycle mechanic. Servicing Zipp components requires the use of specialized tools. Failure to follow the procedures outlined in this service manual may cause damage to your component and void the warranty.

Visit www.zipp.com/support for the latest Zipp Spare Parts catalog and technical information. For order information, please contact your local Zipp distributor or dealer.

Information contained in this publication is subject to change at any time without prior notice.

Your product's appearance may differ from the pictures contained in this publication.



For recycling and environmental compliance information, please visit:

<https://www.sram.com/en/company/about/environmental-policy-and-recycling>

Part Preparation

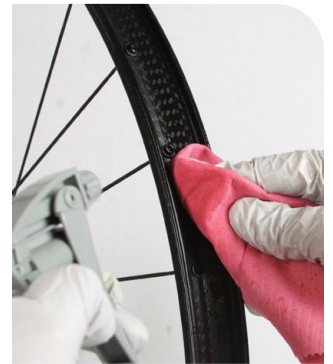
Remove the component from the bicycle before service.

Clean the exterior of the product with mild soap and water to avoid contamination of internal sealing part surfaces.

Service Procedures

The following procedures should be performed throughout service, unless otherwise specified.

Clean the part with isopropyl alcohol and a clean, lint-free shop towel.



Parts

- **Zipp 101 XPLR:** 101 XPLR Tubeless Valve/Tape Kit
- **Zipp 202 and 30 Course:** 202/30 Course Tubeless Valve/Tape Kit
- **Zipp 303:** 303 Tubeless Valve/Tape Kit
- **Zipp 404:** 404 Tubeless Valve/Tape Kit
- **Zipp 808:** 808 Tubeless Valve/Tape Kit
- **Zipp 3ZERO MOTO:** 3ZERO MOTO Tubeless Valve/Tape Kit
- **Zipp 1ZERO HiTop:** Zipp 1ZERO Tubeless Tape kit 29

Safety and Protection Supplies

- Apron
- Clean, lint-free shop towels
- Nitrile gloves
- Safety glasses

Lubricants and Fluids

- Isopropyl alcohol
- Soapy water
- Tubeless sealant

Bicycle Tools

- Plastic tire lever
- Bicycle tire pump
- Wheel truing stand

Common Tools

- Dental pick
- Narrow screwdriver
- Flashlight

SAFETY INSTRUCTIONS

Wear safety glasses when removing or installing tubeless tire sealant.

Rim Preparation

Note: For wheels equipped with a Quarq TyreWiz air pressure sensor, refer to the Quarq TyreWiz User Manual for removal, installation, and tubeless sealant instructions.

- 1 Remove the tire from the wheel. Unthread the keeper nut from the valve stem, then pull the keeper nut o-ring from the valve stem.



- 2 Remove the valve stem from the rim by hand.



- 3 Remove any old tubeless tape, sealant, and rim strip. Clean the rim and rim strip if it will be reused.



Rim Strip Installation

- 4 Align the valve hole in the rim strip with the valve hole of the rim. The printed side of the rim strip should face the rim with the smooth side facing away.

Note: A screwdriver inserted into the valve hole can help keep the rim strip in place during installation.



- 5 Install the rim strip onto the rim, making sure it is centered in the channel, all spokes and nipples are covered, and no part of the valve hole is covered.

NOTICE

The rim strip must be installed prior to installing tubeless tape.

A plastic tire lever can be used to help pull the rim strip onto the rim.



Incorrect Installation



Correct Installation



Tire Lever

Tubeless Tape Installation

6 Install the wheel into a truing stand.

Beginning at the side of the rim opposite the valve hole, apply a small section of tubeless tape to the rim, pressing it firmly against the rim. Smooth the cut end of the tape so that it is flush with the rim.



7 Apply tension to the tape and rotate the wheel away from you until there are 2 complete layers of tape on the rim. Make sure there are no wrinkles and the tape is centered in the rim.



8 Cut the tape so that it extends past the starting end by approximately 6 inches (15 cm).

Smooth the cut end of the tape so that it is flush with the rim.

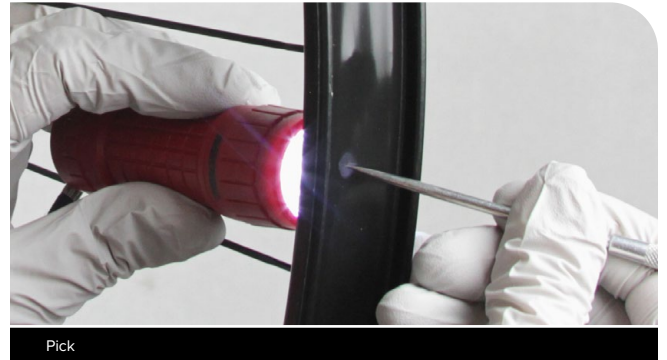


Valve Stem Installation

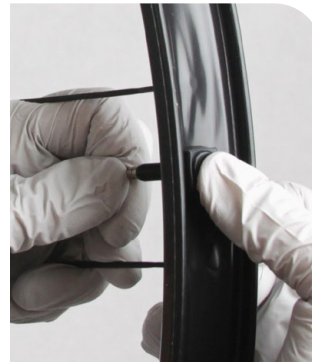
- 9** Use a pick to poke a small hole through both layers of tape at the valve hole. It may be helpful to use a small flashlight to locate the valve hole.

NOTICE

Do not use scissors or a knife to create the hole for the valve stem. Cut edges can create stress areas in the tape that will cause the tape to split causing leaks.



- 10** Insert the valve stem through the small hole in the tubeless tape. Press the valve stem into the rim until it is flush against the tape.

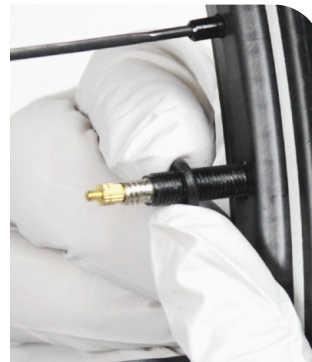


- 11** Install the keeper nut o-ring onto the valve stem, and press it against the rim.

Thread the keeper nut onto the valve stem until it is hand tight.

NOTICE

Do not use any tools to tighten the nut; it must be handtight only. Overtightening the nut can lead to a slow leak.



Rim Preparation

Note: For wheels equipped with a Quarq TyreWiz air pressure sensor, refer to the Quarq TyreWiz User Manual for removal, installation, and tubeless sealant instructions.

- 1 Remove the tire from the wheel. Unthread the keeper nut from the valve stem, then pull the keeper nut o-ring from the valve stem.



- 2 Remove the valve stem from the rim by hand.



- 3 Remove any old tubeless tape, sealant, and rim strip. Clean the rim and rim strip if it will be reused.



Rim Strip Installation

- 4 When installing the rim strip, make sure that the "rough" side of the welded area is facing the rim, and the smooth side facing away.



- 5** Align the valve hole in the tubeless rim strip with the rubber grommet at the valve hole in the rim.

Note: A screwdriver inserted into the valve hole can help keep the rim strip in place during installation.



- 6** Install the rim strip onto the rim, making sure it is centered in the channel, all spokes and nipples are covered, and no part of the valve hole is covered.

NOTICE

The rim strip must be installed prior to installing tubeless tape.
A plastic tire lever can be used to help pull the rim strip onto the rim.



Incorrect Installation



Correct Installation



Tire Lever

Tubeless Tape Installation

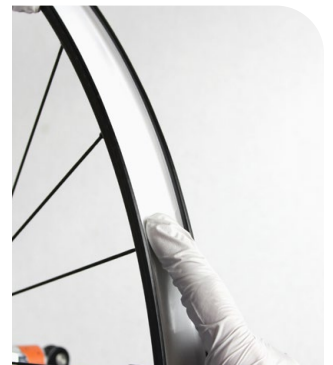
- 7** Install the wheel into a truing stand.
Beginning at the side of the rim opposite the valve hole, apply a small section of tubeless tape to the rim, pressing it firmly against the rim. Smooth the cut end of the tape so that it is flush with the rim.



- 8** Apply tension to the tape and rotate the wheel away from you until there are 2 complete layers of tape on the rim. Make sure there are no wrinkles and the tape is centered in the rim.



- 9** Cut the tape so that it extends past the starting end by approximately 6 inches (15 cm).
Smooth the cut end of the tape so that it is flush with the rim.



Valve Stem Installation

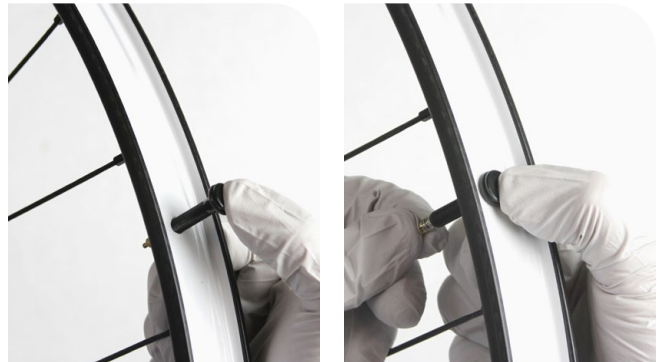
- 10** Use a pick to poke a small hole through both layers of tape at the valve hole. It may be helpful to use a small flashlight to locate the valve hole.

NOTICE

Do not use scissors or a knife to create the hole for the valve stem. Cut edges can create stress areas in the tape that will cause the tape to split causing leaks.



- 11** Insert the valve stem through the small hole in the tubeless tape. Press the valve stem into the rim until it is flush against the tape.



- 12** Install the keeper nut o-ring onto the valve stem, and press it against the rim.

Thread the keeper nut onto the valve stem until it is hand tight.

NOTICE

Do not use any tools to tighten the nut; it must be handtight only. Overtightening the nut can lead to a slow leak.



Rim Preparation

Note: For wheels equipped with a Quarq TyreWiz air pressure sensor, refer to the Quarq TyreWiz User Manual for removal, installation, and tubeless sealant instructions.

- 1** Remove any existing rim tape and/or rim strip from the rim.
Remove the valve stem, nut, and o-ring from the rim.



- 2** Install the wheel into a truing stand.
Spray isopropyl alcohol on the rim and clean it with a shop towel. Make sure the rim is dry and free of alcohol. Spin the wheel rapidly to remove alcohol from the spoke holes.



Tubeless Tape Installation

- 3** Apply the beginning section of tape between the two spoke holes that are 180 degrees opposite from the valve stem hole. Press 4-5 inches (10-13 cm) of tape into the channel of the tire bed.



- 4** Apply tension to the tape by rotating the wheel away from you while rapidly shaking the tape from side to side about 2-3 inches (5-8 cm). This will seat the tape into the channel and keep it centered in the rim.

NOTICE

The tubeless tape must be seated into the rim bed to create an air tight seal. If the tape is not seated into the channel, the tire may leak air.

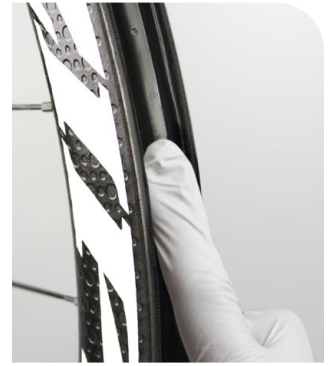


- 5** Continue the process of rotating the wheel and shaking the tape side to side while keeping an even tension on the tape roll until the tape has been wrapped around the rim bed the indicated number of times. Overlap the beginning edge with another 6 inches (15 cm) of tape to the rim bed.

	Number of complete wraps around the rim
1ZERO HiTop	1
30 Course	2
202 Tubeless	2
303 Tubeless	1
404 Tubeless	1
454 Tubeless	2
808 Tubeless	2
858 Tubeless	2
Super9 Tubeless	2



- 6** Cut the tape. Use your fingers to press the edge of tape against the rim. This will help prevent sealant from getting under the tape.



Valve Stem Installation

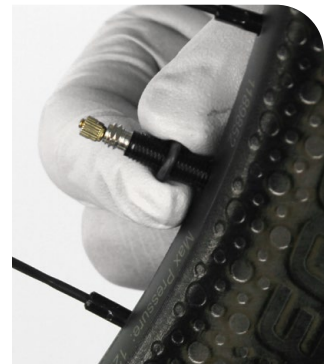
- 7** Shine a flashlight through the rim to illuminate the valve stem hole. Use a sharp object to make a small puncture in the tape over the valve stem hole.

NOTICE

Do not use scissors or a knife to create the hole for the valve stem. Cut edges can create stress areas in the tape that will cause the tape to split causing leaks.



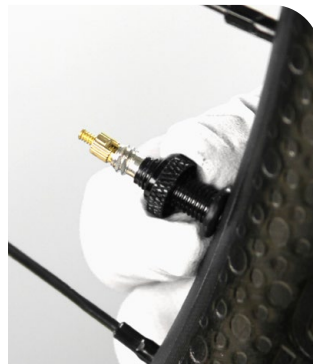
- 8** Insert the valve stem through the puncture in the tape. Install the o-ring onto the valve stem.



- 9** Push the valve stem into the tire bed while threading the nut onto the valve stem so that the recessed side of the nut faces the rim. Hand-tighten the nut. This will seat the stem gasket securely in the tire bed and prevent air from leaking around the stem.

NOTICE

Do not use a tool to tighten the nut; it must be handtight only. Overtightening the nut can lead to a slow leak.



Tubeless Tire Installation

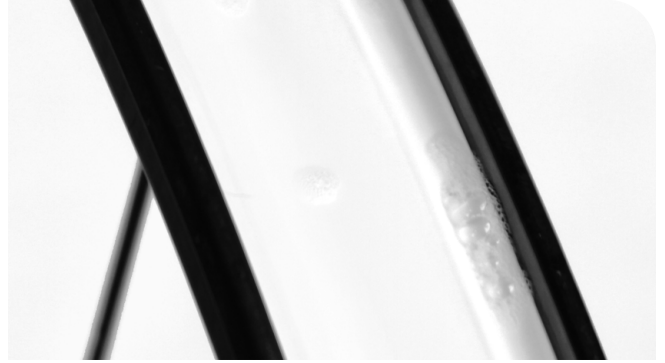
Note: For wheels equipped with a Quarq TyreWiz air pressure sensor, refer to the Quarq TyreWiz User Manual for tubeless sealant instructions.

- 1 Before installing the tire, apply soapy water to the tire channel of the rim and the tire beads to ease tire installation and improve sealing.

NOTICE

The tire should be installed onto the rim according to the tire manufacturer's instructions.

If tire levers are used to install the tire, be careful not to damage the tubeless tape.



- 2 After the tire and sealant have been installed and air added to the tire, hold the wheel horizontally and vigorously tilt the wheel up and down to distribute the sealant into the sidewall and tire bead interface.

Rotate the wheel 90 degrees and repeat the shaking process. Repeat this procedure until you've worked all the way around the wheel.

Flip the wheel over and repeat the shaking process for the other side of the wheel.



The logo for ZIIPP, featuring the word "ZIIPP" in a bold, italicized, white sans-serif font on a black rectangular background.

ASIAN HEADQUARTERS

SRAM Taiwan
No. 1598-8 Chung Shan Road
Shen Kang Hsiang, Taichung City
Taiwan

WORLD HEADQUARTERS

SRAM LLC
1000 W. Fulton Market, 4th Floor
Chicago, Illinois 60607
U.S.A.

EUROPEAN HEADQUARTERS

SRAM Europe
Paasbosweg 14-16
3862ZS Nijkerk
The Netherlands