



SUSPENSION FRAME SERVICE - FLIP CHIP 2.0 SHOCK MOUNT HARDWARE

At Salsa, we believe that a sense of adventure makes life better. The bicycle can be so much more than just a bike; it's a path to new places, new people, and amazing experiences.

Thank you for your purchase. We hope it makes a good riding experience even better!

Salsa. Adventure by 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.

Compatibility & Intended Use

These instructions cover service and replacement of the flip chips and hardware located at the rear end of the shock where it connects to the shock link. Refer to the list below for frame models compatible with Flip Chip 2.0. If your frame is not listed here, you may need to refer to the Flip Chip 1.0 instructions instead.

Required Hardware

1585 Flip Chip 2.0 Hardware Kit which is compatible with:
MY21+ Blackthorn Carbon and Aluminum (all spec levels)
MY21+ Cassidy Carbon and Aluminum (all spec levels)

Required Tools & Supplies

- Torque wrench
- 5 mm hex bit
- Short-bend 5 mm hex key
- Small hex-bit ratchet (optional)
- Loctite®Blue 242 thread-locking compound

Service Notes

(Refer to the figures and table on page 1, and notes on page 2 for proper installation.)

Rear Shock Eyelet Configuration

The Flip Chip 2.0 hardware system requires a shock with a rear eyelet internal diameter of Ø15 mm and 12.7 mm thickness, with no DU-coated stainless steel bushing or flanged IGUS-type reducing hardware. Some aftermarket shocks may come with these eyelet reducers installed, and they will need to be removed before the Flip Chip 2.0 can be installed.

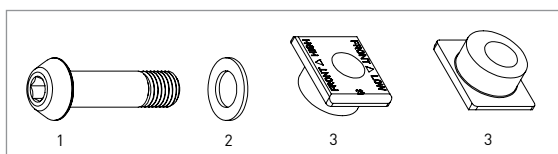
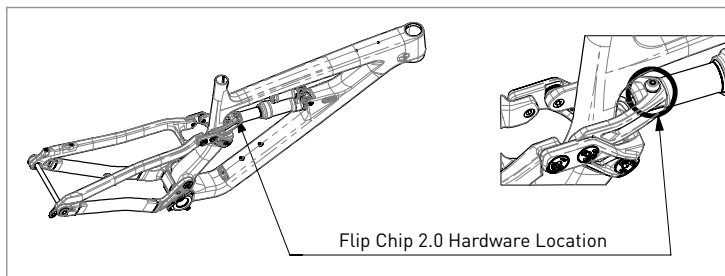


Figure 2 - Flip Chip Orientation

1585 Flip Chip 2.0 Hardware Kit

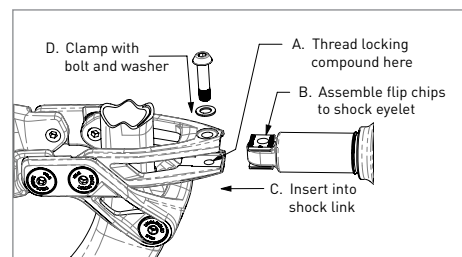
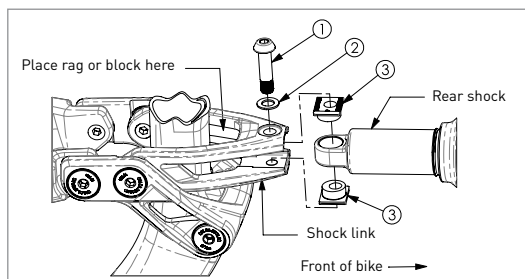


Figure 3 - Assembly Procedure

Figure 1 - Exploded View

Item #	Description	Item Notes	Applies to	Found in Kit #	Qty/Kit	Tools	Prep	Torque
1	1580 Shock Link Bolt	M8 x 1.0, 31.5 mm under-head length	MY21+ Blackthorn MY21+ Cassidy	1585	1	5 mm hex bit	Loctite Blue 242® on threads	15 Nm (133 in-lbs)
2	Washer	Ø8 x Ø14 x 1 mm thick		1585	1	--	--	--
3	1557 Flip Chip	Ø8 x 30 mm wide		1585	2	--	Clean shock eyelet and link	--



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Flip Chip Recommended Settings

Below are recommendations for when to use the “Low” or “High” flip chip settings. After the desired setting is determined, refer to Figure 2 for proper chip orientation.

Consider using “Low” when:

- Additional cornering stability is desired and pedal strikes are not an issue
- Using a suspension fork with 10–20 mm more than the bike’s rear travel
- Using tires ranging from 29 x 2.4” to 29 x 2.6”

Consider using “High” when:

- More ground clearance or reducing the chance of pedal strikes is desired
- Using a suspension fork with an equal amount of travel to the bike’s rear travel
- Using tires smaller than 29 x 2.4”
- The frame is retro-fitted with 27.5-plus wheels and tires

Flip Chip & Bolt Installation & Service Notes

- Removal and initial installation of the shock link bolt is easiest with a small ratchet and 5 mm hex bit or a short-bend hex key. After the bolt is initially seated using either tool, switch to the torque wrench to apply the final torque
- CAUTION: Damage to the frame’s finish may occur when the shock link bolt is removed due to over-extension of the linkage and rear swing arms. Contact can occur at the front of the seat tube by the links, at the chainstays by the chainring, and at the rear axle Split Pivot area. As noted in Figure 1, place a folded-up rag or small block of foam or cardboard between the front of the seat tube and the back of the shock link so that the linkage does not over-extend.
- The forward shock bolt must also be removed to gain access to the flip chips. Refer to Suspension Service - Shock Mount Hardware instructions
- Thoroughly clean and dry the flip chips, shock eyelet, and interfacing area of the shock link. Clean and dry surfaces will produce the highest friction connection once clamped, which reduces the chance of slip, and prevents creaking during normal use
- Refer to Figure 3 for recommended installation steps:
 - A. Apply a small amount of thread-locking compound (Loctite Blue 242®) to the threaded hole of the shock link before assembling the rear shock + flip chips. Ensure the thread-locking compound is only on the threaded hole—wipe the link pocket clean with a rag if necessary. DO NOT APPLY THREAD-LOCKING COMPOUND TO THE BOLT THREADS. Applying thread lock to the bolt threads will result in contamination of the holes in the flip chips as the bolt is passed through, effectively gluing the bolt shank to the flip chips. This will make future removal extremely difficult.

B. Assemble the flip chips to the shock eyelet in the desired orientation

C. Insert the flip chips and shock to the shock link

- Torque the shock link bolt to spec and let the thread-locking compound cure for 24 hours. This will ensure the bolt remains tight and maintains adequate clamping force between the link and shock

Service Intervals & Ongoing Maintenance

- Inspect flip chips and fixing bolt for wear or damage at least annually. If the chips or bolt become damaged, stripped, or develop play that cannot be eliminated with the proper torque specification, replace the affected part(s)
- Check the shock link bolt for proper torque every 50 riding hours. Reapply thread-locking compound and re-torque as needed

Warranty

Salsa Cycles warrants this new Salsa product against defects in materials and workmanship for two (2) years from the original date of retail purchase by the consumer. This limited warranty is expressly limited to the repair or replacement of the original product, at the option of Salsa Cycles, and is the sole remedy of the warranty. This limited warranty applies only to the original purchaser of the Salsa product and is not transferable. In no event shall Salsa Cycles be liable for any loss, inconvenience, or damage, whether direct, incidental or consequential, or otherwise resulting from breach of any express or implied warranty or condition, of merchantability, fitness for a particular purpose, or otherwise with respect to this product except as set forth herein.

This warranty does not cover the following:

- Damage due to improper assembly or follow-up maintenance or lack of skill, competence, or experience of the end user
- Products that have been modified, neglected, used in competition or for commercial purposes, misused or abused, involved in accidents, or anything other than normal use
- Damage or deterioration to the surface finish, aesthetics or appearance of the product
- Normal wear and tear
- Labor required to remove and/or re-fit and re-adjust the product within the bicycle assembly

To the extent not prohibited by law, these warranties are exclusive and there are no other express or implied warranties or conditions including warranties or conditions of merchantability and fitness for a particular purpose.

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

If you have any questions contact warranty@salsacycles.com or visit www.salsacycles.com/support for more warranty information.

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