

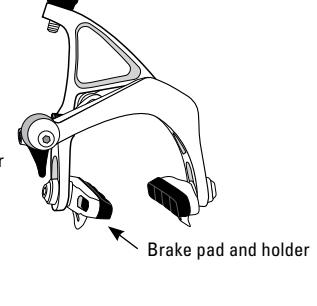
Dual Pivot Road Calipers

Dual Pivot Road Calipers User Manual

IMPORTANT

To ensure that your dual pivot road calipers perform properly and to help make your riding experience more enjoyable and trouble-free, we highly recommend that you have them installed by a qualified bicycle mechanic. For SRAM brake lever information please consult the Double Tap® Integrated Brake Shifter user manual.

Brake Caliper Anatomy



Dual Pivot-Rennradbremsen Bedienungsanleitung

WICHTIG

Um die ordnungsgemäßige Funktion Ihrer Dual Pivot-Rennradbremsen sicherzustellen und ein optimales Fahrerlebnis zu gewährleisten, wird dringend empfohlen, den Einbau von einem qualifizierten Fahrradmechaniker vornehmen zu lassen. Informationen zu SRAM-Bremshülsen finden Sie in der Bedienungsanleitung zu den Double Tap®-Schaltbremshülsen...

Aufbau der Bremsen

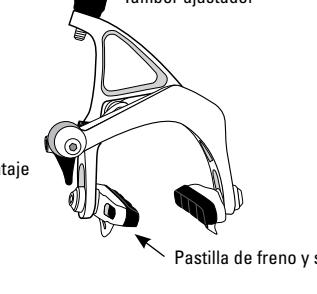


Manual de usuario de la zapata de doble pivot para carretera

IMPORTANTE

Para garantizar el correcto funcionamiento de la zapata de doble pivot para carretera y ayudarle a que pueda disfrutar al máximo de su bicicleta sin ningún tipo de problemas, le recomendamos encarecidamente que su instalación sea realizada por un mecánico de bicicletas cualificado. Para obtener información sobre la maneta de freno SRAM, consulte el manual de usuario de la maneta con freno y cambiador integrados Double Tap®.

Anatomía de la zapata del freno

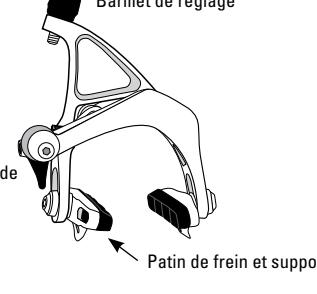


Guide de l'utilisateur - Étriers à double pivot Road

IMPORTANT

Pour assurer le fonctionnement correct des freins route double-pivots et pour que vos sorties soient plus plaiantes et comportent moins de risques d'accidents, nous vous recommandons de faire installer ces composants par un mécanicien véloprofessionnel. Pour plus d'informations sur les leviers de frein SRAM, veuillez lire le manuel de l'utilisateur des manettes combinées frein et changement de vitesse intégrés Double Tap®.

Anatomie de l'étrier de frein

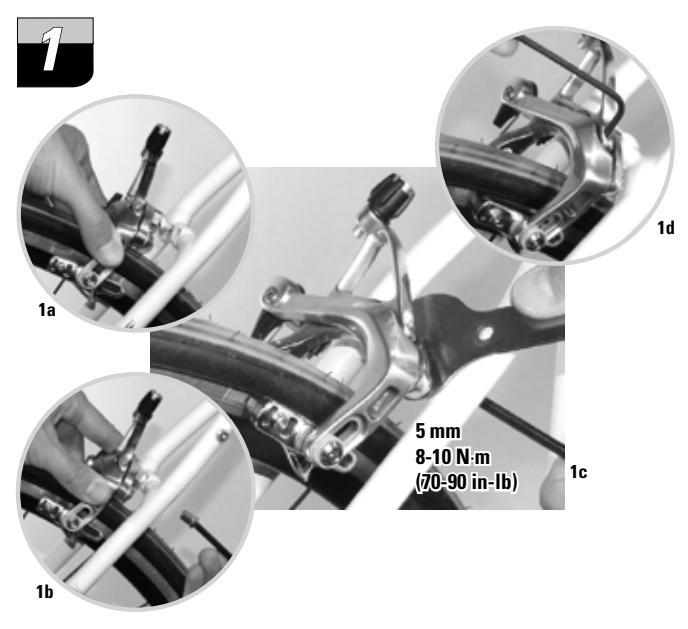


Freni da strada a doppia pinza - Manuale per l'utente

IMPORTANTE

Per accertarsi che i freni da strada a doppia pinza funzionino correttamente e per rendere l'esperienza di guida più gradevole e priva di problemi, si consiglia vivamente di farli installare da un meccanico per biciclette qualificato. Per informazioni sulle leve freno SRAM, consultare il manuale per l'utente del comando con leva freno integrata Double Tap®.

Anatomia del freno a pinza



CAUTION

Brakes are a safety-critical item on a bicycle. Improper set-up or use of brakes can result in loss of control or an accident leading to a severe injury.

It is your responsibility to learn and understand proper braking techniques. Consult the user manual for your bicycle and a professional bike dealer.

Practice your riding and braking techniques on a flat and level surface prior to aggressive riding.

The effectiveness of braking is dependent on many conditions over which SRAM has no control. These include the speed of the bicycle, type and condition of the riding surface, braking lever force, proper installation and maintenance of brakes, cables, levers, brake housing with ferrules.

SRAM brakes and levers are not intended for use on any motorized bicycle or vehicle.

SRAM brakes and levers are not intended for use on any motorized bicycle or vehicle.

Any such use could result in serious personal injury.

Inspect your brakes regularly for damage, and always inspect them thoroughly after any crash or severe impact. If you detect damage, please have your brakes inspected by a professional bike dealer.

SRAM brakes are optimized for aluminum rims. If used with ceramic coated or carbon rims use brake pads specifically suited for these rim materials and inspect them often as they may wear quickly. When the grooves on your brake pads disappear, they are worn and need to be replaced with new brake pads.

IMPORTANT

SRAM's standard road brake pads are optimized for aluminum rims. If used with ceramic coated or carbon rims use brake pads specifically suited for these rim materials and inspect them often as they may wear quickly. When the grooves on your brake pads disappear, they are worn and need to be replaced with new brake pads.

COMPATIBILITY

SRAM dual pivot road calipers are designed for use with:

Brake levers: SRAM Double Tap Integrated Brake Shifters

Brake cable: 1.6 mm high quality cable end and brake cable housing with ferrules

TOOLS*

- Safety Glasses
- 12 and 13 mm open ended wrenches

- 2, 2.5, 3, 4, and 5 mm hex wrenches
- Torque wrench

*Your caliper model may not require every tool

INSTALLATION

1 Install the brake caliper.

Red/pictured/Force/Apex: Install the brake caliper and hand tighten the mounting nut (fig. 1a, b). Use a 13 mm wrench (12 mm Apex) to approximately center the brake caliper on the rim (fig. 1c).

Hold the brake caliper in position, then tighten the mounting nut with a 5 mm hex wrench to 8-10 N·m (70-90 in-lb).

Turn the brake pad centering bolt with a 3 mm hex until the brake caliper is precisely centered on the rim (fig. 1d).

Rival (not pictured): Install the brake caliper and hold it so it is approximately centered on the wheel. Use a 5 mm hex wrench and tighten the mounting nut to 8-10 N·m (70-90 in-lb).

IMPORTANT

SRAM's standard road brake pads are optimized for aluminum rims. If used with ceramic coated or carbon rims use brake pads specifically suited for these rim materials and inspect them often as they may wear quickly. When the grooves on your brake pads disappear, they are worn and need to be replaced with new brake pads.

IMPORTANT

SRAM's standard road brake pads are optimized for aluminum rims. If used with ceramic coated or carbon rims use brake pads specifically suited for these rim materials and inspect them often as they may wear quickly. When the grooves on your brake pads disappear, they are worn and need to be replaced with new brake pads.

2 Position the brake pads.

Use a 4 mm hex wrench to adjust the brake pad position along the rim. Toe-in, the angle of contact between the pad and the rim, can also be adjusted to optimize braking feel and performance. Tighten the brake pad bolt to 5-7 N·m (44-62 in-lb).

3 Rotate the quick release lever to the closed position.

4 Connect the brake cable.

Place the cable in the groove of the cable clamp washer. Squeeze the brake caliper by hand until each brake pad is 1-1.5 mm from the rim. Use a 5 mm hex wrench and tighten the cable clamp bolt to 6-8 N·m (53-70 in-lb). Turn the barrel adjuster on the brake caliper to reset the brake pad clearance to 1-1.5 mm from the rim.

5 Adjust spring tension - Red/Force only:

The spring tension on the brake caliper can be adjusted to your preference. Bicycles with complicated cable routing may experience increased cable friction and will require higher spring tension for proper function of the brake caliper. Turn the spring tension adjustment screw clockwise to increase spring tension.

6 Center the brake pads - Rival only:

Use a 5 mm hex wrench to slightly loosen the brake caliper mounting nut. Use a 12 mm open ended wrench to precisely center the brake to the rim. Re-tighten the brake caliper mounting nut to 8-10 N·m (70-90 in-lb).

7 Inspect brake function.

Squeeze brake lever hard 10 times to check that everything is operating correctly, then re-check the brake pad position and clearance to the rim.

BRAKE PAD REPLACEMENT

8 When the grooves on your brake pads disappear, they are worn and need to be replaced with new brake pads. Remove the brake pad fixing bolt with a 2 mm hex wrench (2.5 mm Apex). Slide the old pads out of the holders and replace with new pads. Install the brake pad fixing bolt and tighten to 0.5-1.0 N·m (4.5-9.0 in-lb).

Note: Both the brake pads and holders are marked left or right. Be sure to install the brake pads on the correct side.

M A I N T E N A N C E

Use only water and a mild soap to clean the brake calipers. Do NOT use a pressure washer.

When the grooves on your pads disappear, they are worn and need to be replaced with new brake pads.

Regularly inspect bolt torque. You should never ride with a loose brake caliper.

Regularly inspect components for signs of damage or fatigue. Always inspect components for damage after any crash.

8 Preclude the disclaimers and limitations of this warranty statement from applying to the specific rights of the consumer (e.g. United Kingdom).

b. Preclude the ability of a manufacturer to enforce such disclaimers or limitations.

c. Limitations of liability for damage caused by the use of parts that are not compatible, suitable and/or authorized by SRAM or for SRAM components.

d. Preclude the warranty from covering damage resulting from commercial reuse.

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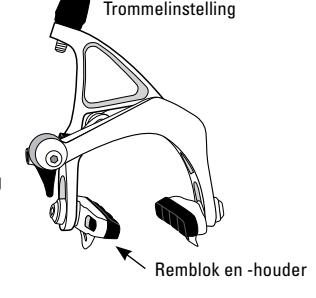
Dual Pivot Road Calipers

Dual pivot remset gebruiksaanwijzing

BELANGRIJK

Om er zeker van te zijn dat uw dual pivot remset naar behoren functioneert en te zorgen dat uw rijervaring prettier en zonder problemen verloopt, raden wij u ten zeerste aan deze te laten monteren door een gekwalificeerde fietsenmaker. Raadpleeg de gebruiksaanwijzing van de Double Tap® geïntegreerde remshifter voor informatie over de SRAM remhendel.

Anatomie van de remset

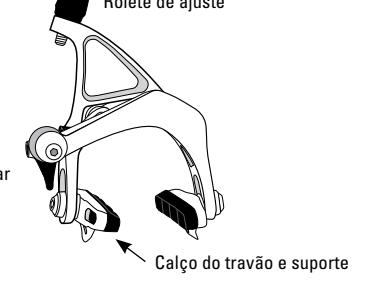


Manual do Utilizador de Maxilas de Dupa Articulação para Estrada

IMPORTANT

Para assegurar que as suas maxilas de travão de dupla articulação para estrada funcionem correctamente e ajudam a fazer com que a sua condução seja mais segura e sem problemas, nós recomendamos fortemente que as mande instalar por um mecânico de bicicletas qualificado. Para obter informações sobre travões de estradas SRAM, favor consulte o Manual do Utilizador de Alavanças Integradas de Travões Double Tap®.

Anatomia da Maxila do Travão

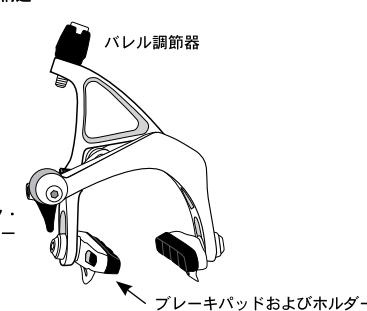


デュアルピボット・ロード・キャリパー ユーザー・マニュアル

重要

お買い上げのデュアルピボット・ロード・キャリパーが適切に作動し、より快適で故障の少ない走行体験をお楽しみいただきたために、正式な訓練を受けた自転車整備士に取り付けを依頼することを強くお勧めします。SRAM ブレーキレバーに関する情報は、Double Tap® 総合ブレーキシifter のユーザー・マニュアルをご参照ください。

ブレーキキャリパーの構造

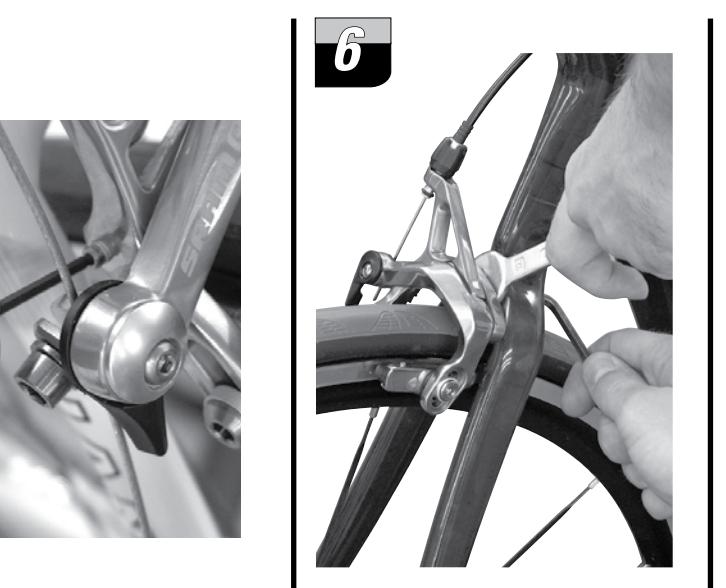
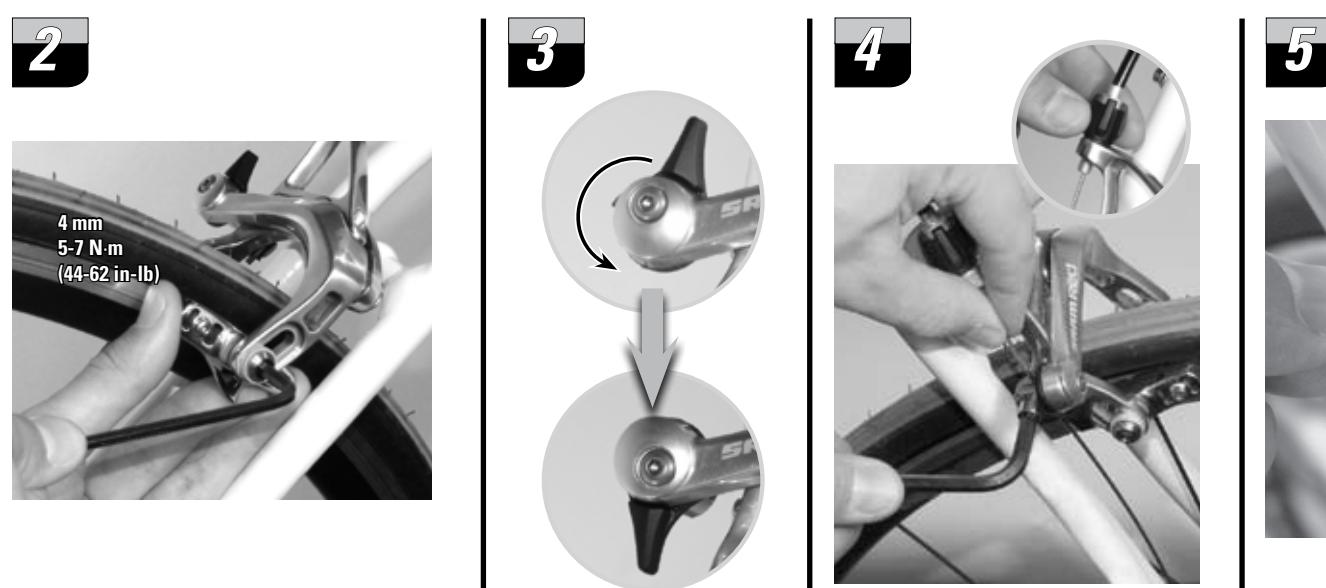
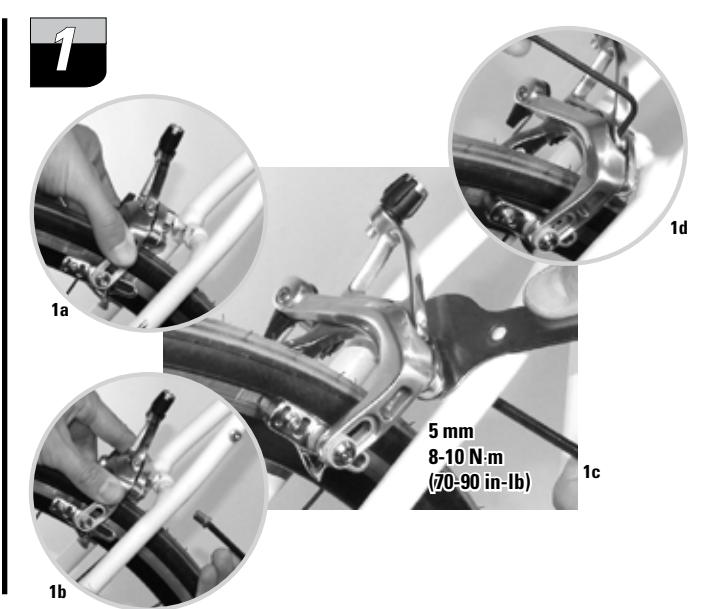
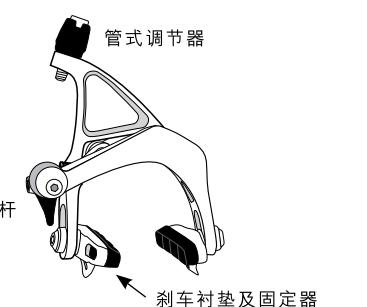


双枢轴公路刹车钳 用户手册

重要提示

为确保双枢轴公路刹车钳正常工作、让您的骑行体验更加舒适和不至出现故障，我们强烈建议您专业的自行车技工来为您进行安装。关于 SRAM 刹车杆的信息，请参见 Double Tap® 连体刹车指拨用户手册。

刹车钳分解



LET OP

Remmen zijn een onmisbaar veiligheidsonderdeel van een fiets. Onjuiste installatie of verkeerd gebruik van de remmen kan leiden tot verlies van de macht over de fiets, of een ongeluk dat ernstig letsel kan veroorzaken.

Het is uw verantwoordelijkheid om een juiste remtechniek te leren en te begrijpen.

Raadpleeg de gebruiksaanwijzing voor uw fiets en een professionele fietsenhouder.

Oefen uw fiets- en remtechniek op een vlakte, horizontale ondergrond voordat u agressief gaat fietsen.

De fiets moet rechtop staan voor het remmen. Is dit mogelijk niet vanwege de fiets, houd dan de toestand van het ophangstelsel vast. De kracht op de remmenhendel, de juiste installatie en goede onderhoud van de remmen, remkabels, hendels, remblokken, de toestand van de fiets, het gewicht van de fiets, de remtechniek, het weer en verschillende andere factoren. Onthoud dat het in natte weersomstandigheden langer duurt om stilstand te komen.

SRAM remmen en hendels zijn nooit bedoeld voor gebruik op welk gemotoriseerde rijwiel of voertuig dan ook. Een dergelijk gebruik zou tot ernstig persoonlijk letsel kunnen leiden.

Controleer regelmatig uw remmen op schade en controleer deze altijd na een botsing of een hevige impact. Laat uw remmen controleren door een professionele fietsenhouder wanneer u schade opmerkt.

BELANGRIJK

De standaard wegremblokken van SRAM zijn geoptimaliseerd voor aluminium velgen. Ihnen gebraucht mit keramischen Klotzfolienvelgen, gebruik remblokken die spezifisch für diese Velgmaterialien und kontrollieren diese regelmäßig sogenannter soort remblokken sind ebenfalls erforderlich. Wanneer de groeven op uw remblokken verdwijnen, zijn deze versleten en moeten ze worden vervangen door nieuwe remblokken.

CUIDADO!

Os travões são um elemento determinante para a segurança dumha bicicleta. A utilização ou regulagem inadequada dos travões pode causar perda de controlo ou acidente, provocando ferimentos graves.

É importante deixar da sua responsabilidade aprender e utilizar as técnicas de travagem mais adequadas. Consulte o Guia do Utilizador da sua bicicleta e um concessionário de bicicletas profissional.

Praticar a condução e as técnicas de travagem numa superfície plana e nivelada, antes de passar a uma condução agressiva.

A aplicação da travagem depende de diversas condições sobre as quais a SRAM não tem controlo. Nelas se inclui a velocidade da bicicleta, o tipo e o estado do piso, a força de aperto do travão, a instalação e manutenção adequadas dos travões, dos cabos, das alavanças, dos calcos dos travões, e o estado da bicicleta, peso da ciclista, domínio das técnicas de travagem, estudo do tempo e muitos outros factores. Tenha sempre em mente que as travagens em pisos molhados demoram mais tempo.

Os travões e alavanças da SRAM não foram concebidos para serem utilizados em motociclos ou quaisquer outros veículos motorizados. A utilização neste tipo de veículo pode conduzir a lesões corporais graves.

Inspeccione os seus travões regularmente para verificar se há estragos e inspecione-os sempre cuidadosamente depois de qualquer acidente ou choque forte. Se detectar danos, mande inspecionar os seus travões por um concessionário de bicicletas profissional.

IMPORTANTE

Os calcos de travões normais para arcos de alumínio. Sua uso deve ser evitado ou reservado para o caso de emergência. Use arcos de cerâmica ou resinas de carbono para o caso de emergência.

SRAM recomenda que os calcos de travões sejam optimizados para arcos de alumínio. Sua uso deve ser evitado ou reservado para o caso de emergência.

Os calcos de travões normais para arcos de alumínio. Sua uso deve ser evitado ou reservado para o caso de emergência.

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