



AltRider DualControl Brake System for BMW R1200GSW

INSTALLATION INSTRUCTIONS

The most up to date instructions can be downloaded from the product page at altrider.com, under the instructions tab.

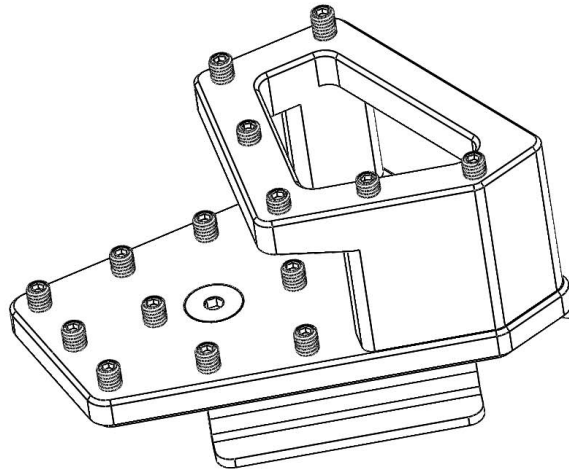
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Enjoy it, show it off, and most of all, RIDE IT!

Venture On,
Jeremy LeBreton



AltRider DualControl Brake Kit for the BMW R 1200 GS Water Cooled



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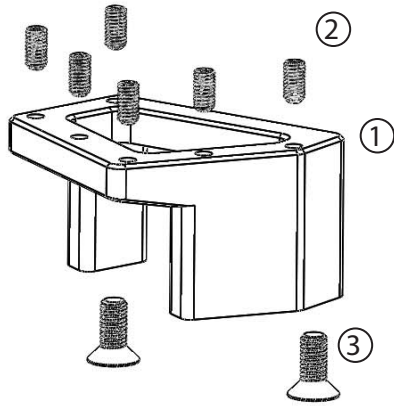
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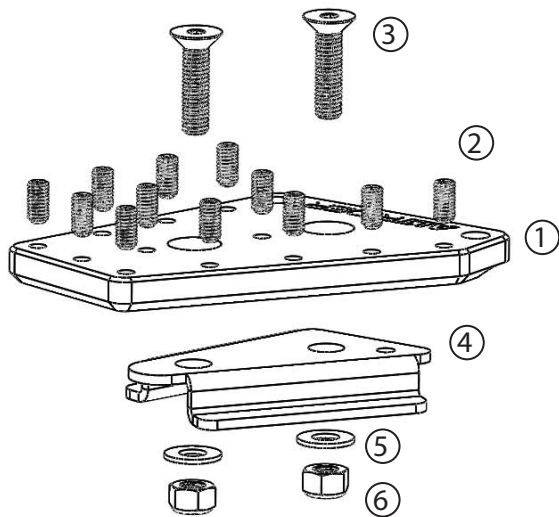


Riser Kit:

- ① Riser block
- ② (6) M4 x 8mm long grip pins
- ③ (2) M5 x 12 flat head screws

Installation Tools

- ① 2mm Allen key
- ② 3mm Allen key
- ③ 5mm Allen key
- ④ 8mm socket
- ⑤ Thread locker



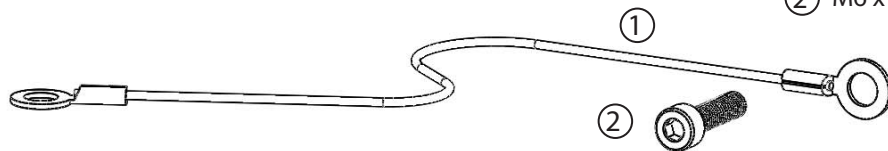
Enlarger Kit:

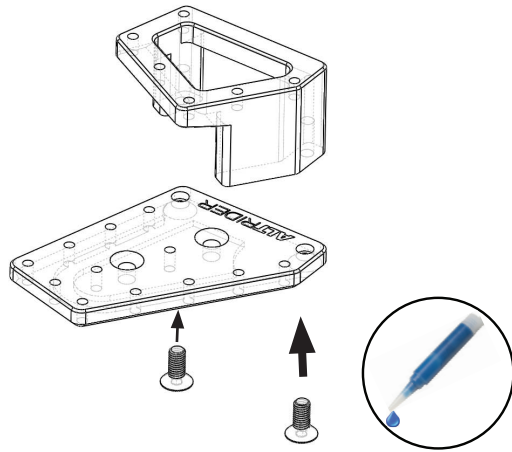
- ① Brake Pedal Enlarger
- ② (12) M4 x 8mm long grip pins
- ③ (2) M5 x 20 flat head screws
- ④ Steel bottom plate
- ⑤ (2) M5 washers
- ⑥ (2) M5 lock nuts



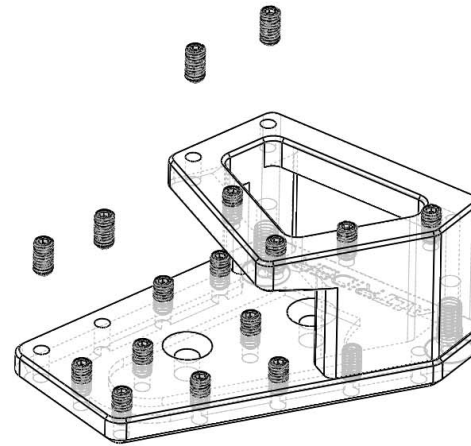
Brake Snake Kit:

- ① Brake snake cable
- ② M6 x 20 socket cap screw

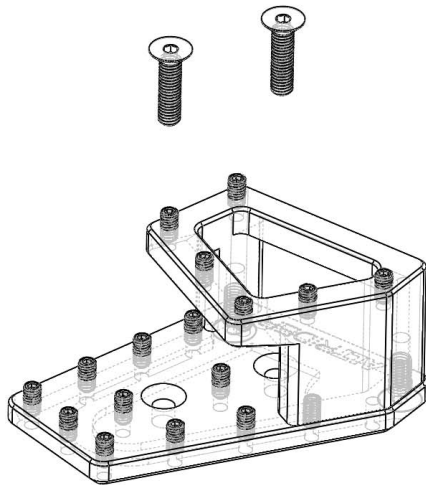




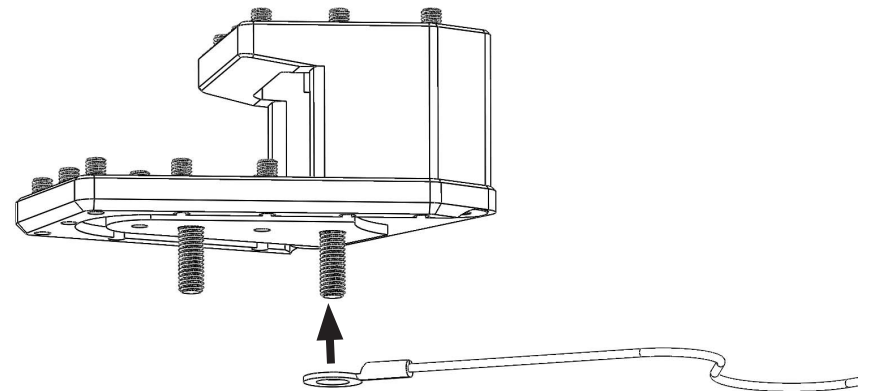
- ① If your kit is equipped with the full DualControl Enlarger + Riser, install the riser now. Place a drop of thread locker on each of the two (2) M5 x 12 flat head screws and use an M3 Allen to tighten the parts together.



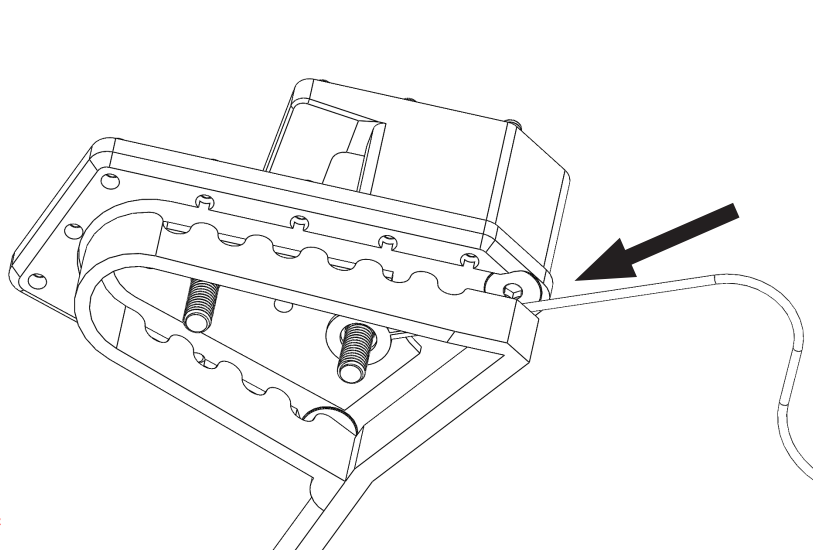
- ② Install M4 x 8mm Grip pins, using 2mm Allen driver. Use a small dot of thread locker on each pin. Total number and placement is up to you. Tighten snug, but be careful not to strip the tool.



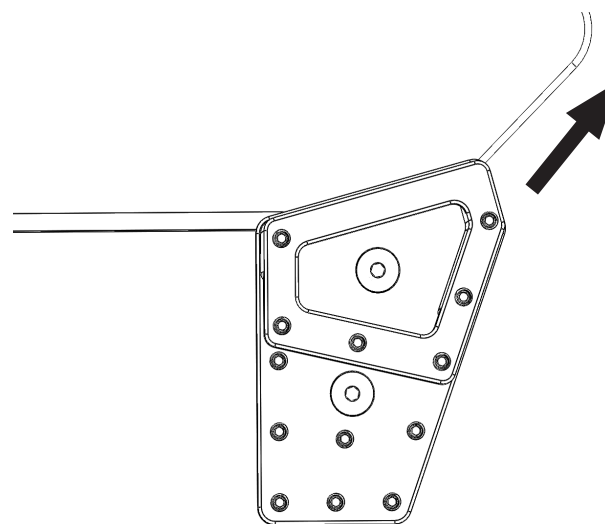
- ③ Place two (2) M5 x 20mm flat head screws through enlarger plate.



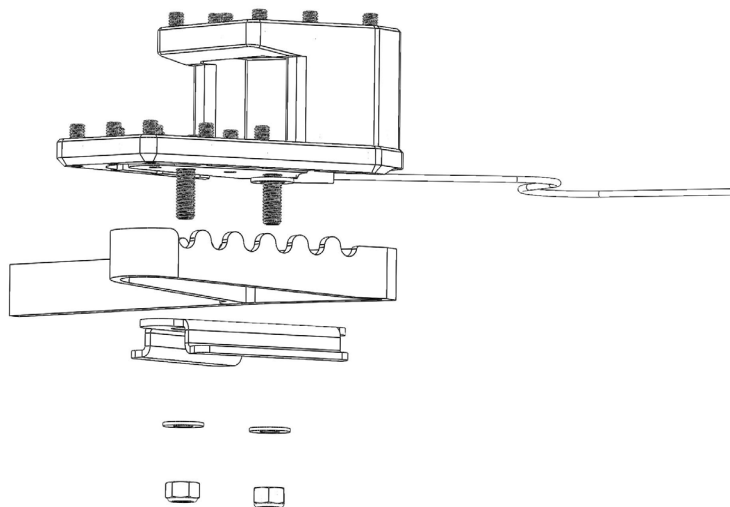
- ④ If you have the Brake Snake kit, place it around the M5 screw closest to the bike.



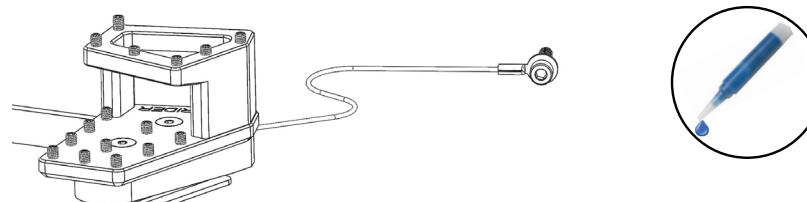
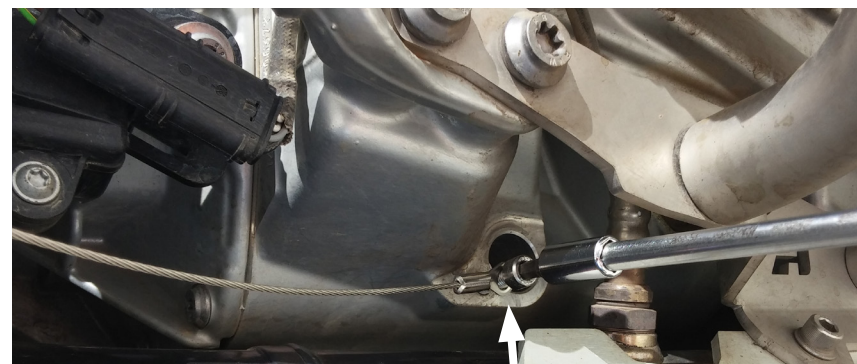
- ⑤ Place DualControl onto your bike's brake lever. Be sure the lever is seated in the groove on the underside of the Enlarger. Be sure the Brake Snake is on top of the lever in the position shown (arrow).



- ⑥ Correct Brake Snake cable location. Should be on top of lever, under enlarger.



- ⑦ Attach DualControl to brake pedal with metal plate, washers, and lock nuts. Use M3 allen on screws and 8mm socket on locknuts and tighten snug.



- ⑧ Install M6 screw with 5mm Allen driver. Use a drop of thread locker. Tighten into case location shown. The screw will stop turning when snug. The brake snake eyelet will remain loose around the bolt to allow movement.

Brake Lever Adjustment to lower height. (optional)

Begin with your lever adjusted to the correct factory position. It is extremely important that you start with your lever correctly adjusted. Mis-adjustment can cause major damage to the brake pads and rotors, and could possibly cause the rear brakes to be permanently squeezed "on", even with no pressure on the lever itself.



- ① Locate the master cylinder and plunger connected to the brake pedal, directly behind the right side foot peg. Note parts: (A) plunger shaft wrench flats. (B) Jam nut. (C) Yoke. (D) Pivot pin with cotter pin.
- ② Use a 10mm and 12mm open end wrench. With the 10mm wrench on top, hold the plunger still. There are wrench flats on the plunger right near the rubber boot where it enters the master cylinder. The plunger must not spin, this preserves the correct internal adjustment. While holding the plunger, use the 12mm wrench to loosen the jam nut.



- ③ Spin the jam nut higher up the plunger rod, toward the master cylinder. Do not spin the plunger rod itself.



- ④ Pull the small cotter pin. Pull the washer and the pivot pin that connects the yoke to the plunger.



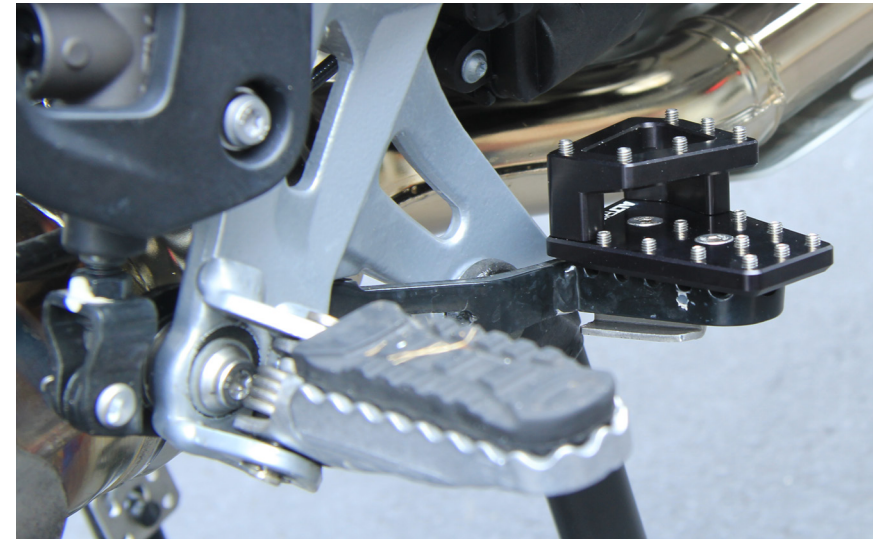
- ⑤ Holding the plunger still, spin the yoke so it moves higher up the plunger, toward the master cylinder.



- ⑥ Reinsert the pin and check brake lever is at desired height. Reinstall washer and cotter pin.



- ⑦ Hold plunger still with 10mm wrench. Apply a drop of loctite to the threads below the jam nut. Spin jam nut down until it contacts the yoke. Tighten against yoke.



- ⑧ Confirm brake lever action. If there is any interference, binding, or if the lever does not return to its position, -reset to factory specs and make sure you full system is operating correctly before attempting to adjust again. (shown with DualControl installed).

CONGRATULATIONS!

You've completed your installation. If at any point you have questions about your installation or have any feed back for us, we'd love to hear it. A downloadable version of these instructions can be found at our web site. www.AltRider.com

After 5 hours or 100 miles of riding, check your newly installed equipment to ensure all hardware is secure.

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